



CURRICULUM VITAE
Spring 2017

MERRILL W. REUTER, MD PhD FACS

Surgical/Staff Affiliations

Orlando Health
JFK Medical Center
Broward Outpatient Medical Center
Lake Worth Surgical Center
Millenia Surgical Center
Park Place Surgical Center
Broward Outpatient Center
Underwood Surgical Center

Orlando Spine

1960 N John Young Parkway
Kissimmee, FL 34741
Telephone (407) 350-3276
Fax: (407) 264-8805

SpineOrthopaedics

7138 Lake Worth Rd
Suite C
Lake Worth, FL 33467
Telephone (561) 939-6325

BIOGRAPHICAL

Born: 1960
Birthplace: Providens,e, Rhode Island
Citizen: U.S.A.

EDUCATION

AMERICAN INTERNATIONAL UNIVERSITY (Online Program) in association with the
ROYAL COLLEGE OF PHYSICIANS & SURGEONS ofthe UNITED STATES
**DOCTOR OF PHILOSOPHY IN SURGICAL RESEARCH & MASTER OF
CHIRURGIE (November 2003)**

BROWN UNIVERSITY PROGRAM IN MEDICINE (Providence, Rhode Island)
MEDICAL DEGREE (May 1986)

BROWN UNIVERSITY (Providence, Rhode Island)
MASTER'S IN MEDICAL SCIENCE: BIOMATERIALS (May 1986)

TULANE UNIVERSITY (New Orleans, Louisiana)
BACHELOR OF SCIENCE: BIOPHYSICS (May 1982)
CUM LAUDE WITH HONORS

POSTGRADUATE TRAINING

1987-1991 The University of Texas Medical Branch, Department of Orthopaedics and Rehabilitation, Galveston, Texas

Orthopaedic Surgery Residency Training Program

E. Burke Evans, M.D., Professor Emeritus (Past Chief, Division of Orthopaedic Surgery)

1986-1987 The University of Texas Medical Branch, Department of Surgery, Galveston, Texas

General Surgical Internship

Courtney Townsend, M.D., Professor and Chairman (Present Chairman)

James C. Thompson, M.D., Professor and Chairman (Past Chairman)

FELLOWSHIP TRAINING

1992 Spinal Associates of North Central Florida, Gainesville, Florida

Spinal and Reconstructive Surgery Fellowship

Gary L. Lowery, M.D., Ph.D., and Chester E. Sutterlin, III, M.D.

1991-1992 Baylor University Medical Center, Dallas, Texas

Surgery of the Foot and Ankle Fellowship

James W. Brodsky, M.D., Director

RESEARCH INTERESTS

Spine Surgery - Spinal disorders and their treatment and in particular, minimally invasive spine surgery and outcomes.

Foot and Ankle Surgery- Surgery of the Foot and Ankle and outcomes.

CLINICAL INVESTIGATION STUDIES

Non FDA Clinical Studies

1. *Laparoscopic Discectomy with the Nucleotome*. Sponsored by Advanced Orthopaedics, Lake Worth, FL and Surgical Dynamics, Inc., Alameda, CA. Advanced Orthopaedics; March 1995.
2. *Minimally Invasive Cervical Discectomy System*. Sponsored by Advanced Orthopaedics, Lake Worth, FL and Blackstone Medical, Inc., Springfield, MA. Advanced Orthopaedics; May 1998.
3. *Minimally Invasive Cervical Discectomy With Stimuplate*. Sponsored by Advanced Orthopaedics, Lake Worth, FL and Blood Recovery Systems, Ft. Myers, FL. Advanced Orthopaedics; March 2002.

4. *Minimally Invasive Discectomy With Distraction Disarthroplasty*. Sponsored by PMT Corporation, Chanhassen, MN. Advanced Orthopaedics; March 2002.

FDA Authorized Clinical Studies

1. *Revision Lumbar Fusion With BAK Interbody Fusion System*. Sponsored by SpineTech, Inc., Minneapolis, MN. Advanced Orthopaedics; February 1996 to December 1996.
2. *Laparoscopic Lumbar BAK Interbody Fusion System*. Sponsored by SpineTech, Inc., Minneapolis, MN. Advanced Orthopaedics; December 1996 to July 1997.
3. *A Prospective, Randomized Controlled Clinical Investigation of the Novus™-CSR Ring and Novus™-CSR Block Versus Autograft Control For Anterior Cervical Interbody Fusion in Patients With Symptomatic Cervical Disc Disease*. Sponsored by Sofamor Danek, Inc., Memphis, TN. Advanced Orthopaedics; December 1996 to 1999.
4. Cadaveric and ACD Instrumentation Prototype Laser Endoscopic Catheter Study. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; September 8, 2001.

UNITED STATES PATENTS

1. Patent No. 6,805,715: Method and device for treating intervertebral disc herniations. October 19, 2004. Inventors: **Reuter, Merrill W.** (Boca Raton, FL); Reuter, Gerald L. (Plattsburgh, NY); Rehder, Carey D. (Woodbury, MN). Assignee: PMT Corporation (Chanhassen, MN).
2. Patent No. 7,128,746: Device for treating intervertebral disc herniations. October 31, 2006. Inventors: **Reuter, Merrill W.** (Boca Raton, FL); Singer, Daren J. (Burnsville, MN); Caille, Eric F. (Minnetonka, MN). Assignee: PMT Corporation (Chanhassen, MN).

COMMITTEE RESPONSIBILITIES

WELLINGTON REGIONAL MEDICAL CENTER

Pharmacy and Therapeutics (1992-1999)
Infection Control (1992-1999)
Residency Committee, Foot and Ankle Residency Program (1994-1999)
Surgical Evaluation Committee (1998)
Treasurer, Medical Staff (1995-1998)
Medical Staff Sponsorship Program (1994 to present)
Institutional Review Board (1995 to present)
Team Leader, Back Procedures (Cervical) Critical Pathways Quality Improvement (1995)

AMERICAN ACADEMY OF MINIMALLY INVASIVE SPINAL MEDICINE AND SURGERY

Peer Review and Risk Management Committee (April 2000)
Co-Chair for the Fourth Global Congress of The American Academy of Minimally Invasive Spinal Medicine and Surgery. California Spine Institute and Hyatt Westlake Plaza Hotel, Thousand Oaks, CA; November 19-22, 2003.

LAKE WORTH SURGICAL CENTER

Co-Medical Director (1998 to 2013)

ATLANTIC SURGICAL CENTER

Board Member (2000-2002)

CARE ADVANTAGE

Physician Utilization and Case Management Advisor (March 2001 to 2008)

PAIN PHYSICIAN- Official Journal of the American Society of Interventional Pain Physicians
Editorial Advisory Board (2001 to 2008)

JOURNAL OF MINIMALLY INVASIVE SPINAL TECHNIQUE- Official Journal of the American Academy of Minimally Invasive Spinal Medicine and Surgery, The International Society for Minimal Intervention in Spinal Surgery, and the American College of Physicians & Surgeons

Contributing Editor (Spring 2001 to 2008)

INTERNET JOURNAL OF MINIMALLY INVASIVE SPINAL TECHNOLOGY - Official Journal of the American Academy of Minimally Invasive Spinal Medicine and Surgery, The International Society for Minimal Intervention in Spinal Surgery, and the American College of Physicians & Surgeons. Associate Editor (March 2007)

PAINCARE HOLDINGS, INC. CPRZ: AMEX- Chairman, Board of Directors
(January 2001 -February 2008)

ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF THE UNITED STATES -
Executive Committee (November 2003)

AMERICAN ASSOCIATION OF ETHICAL SPINE SURGEONS -

Board Member (July 2007 to 2014)

BROWARD OUTPATIENT CENTER-

Medical Director (2012 to present)

TEACHING

FLORIDA ATLANTIC UNIVERSITY- Boca Raton, FL

Affiliate Faculty, Orthopaedic Surgery, Clinical Assistant Professor of Biomedical Science, Department of Biomedical Sciences, Charles E. Schmidt College of Science, Regional Campus of the University of Miami School of Medicine. (2004-2005, July I, 2007-June 30, 2011)

AMERICAN INTERNATIONAL UNIVERSITY -Online Program (amintu.com)

Professor of Orthopaedics (February 2007-present)

Assistant Professor of Orthopaedics (November 2003-January 2007)

ADVANCED ORTHOPAEDICS- Lake Worth, FL

Minimally Invasive Spine Surgery Fellowship (in the North American Spine Society Match)
(2001 to 2010)

WELLINGTON REGIONAL MEDICAL CENTER- Wellington, FL

Foot and Ankle Residency Program (1992 to July 1999)

BARRY UNIVERSITY SCHOOL OF GRADUATE MEDICAL SCIENCES- Miami, FL

Adjunct Clinical Faculty for Physician Assistant Program (2001-2002, 2004-2005, 2007-2008
Academic Year)

BOARD CERTIFICATIONS/PROFESSIONAL FELLOWSHIPS

1. Diplomate, American Board of Orthopaedic Surgery, Inc.: July 12, 1996. *Board Certified in Orthopaedic Surgery, Recertified in Spine* through 2026.
2. Fellow, American Academy of Orthopaedic Surgeons: February 24, 2005.
3. Fellow, American College of Surgeons (FACS): October 15, 1999.
4. Fellow, The American Board of Minimally Invasive Spinal Surgery (FABMISS): October 16, 1999.
5. Fellow, Royal College of Physicians & Surgeons of the United States (FRCS): October 31, 2007.
6. Fellow, International College of Surgeons (FICS), United States Section: 1996-2008.
7. Fellow, American College of Forensic Examiners: July 15, 1999.
8. Fellow, American Society for Laser Medicine and Surgery, Inc.: August 1999.
9. Fellow, American College of Physicians & Surgeons (FACPS): May 1, 1999.
Secretary/Treasurer
10. Diplomate, National Board of Medical Examiners, #33269838.
11. Diplomate, American Board of Forensic Medicine, American College of Forensic Examiners: August 21, 1996.

12. Board Certified Forensic Examiner (BCFE), American Board of Forensic Examiners: July 18, 1996.
13. Member, American Academy of Neurological and Orthopaedic Surgeons: June 1998-December 2001.
14. Active Member, American Academy of Minimally Invasive Spinal Medicine and Surgery: February 1, 1999.
15. Active Member, American Society of Interventional Pain Physicians: April 15, 2001.
16. Active Member, American Association of Neuromuscular & Electrodiagnostic Medicine: November 5, 2004-2005; 2009-2010.
17. Member, Association for Medical Ethics. www.EthicalDoctor.org. March 27, 2011

WORKER'S COMPENSATION CERTIFICATION

Expert Medical Advisor, Florida Worker's Compensation: Expires November 2017.

Florida Worker's Compensation Certification Program
 H.J. Ross Company, Inc. (Howard J. Ross, Instructor)
 Omni Hotel, West Palm Beach, FL; May 20, 1995
 (course approval no. 0603085)

Florida Worker's Compensation Institute, Inc.
 The Peabody, Orlando, FL:
 September 18-19, 1995; September 6-11, 1996; September 9, 1997; September 13-15, 1998.

FLORIDA DEPARTMENT OF HEALTH

Expert Witness, Prosecution Services Unit: May 15, 2009-June 30, 2017

MEMBERSHIP IN SCIENTIFIC SOCIETIES

American Orthopaedic Foot and Ankle Society, Candidate Member.
 American Medical Association (Member ID #04301860426)
 American Medical Association, Florida Delegate to Young Physicians Section (1997-1998).
 American Medical Political Action Committee.
 American Association of Neuromuscular & Electrodiagnostic Medicine-(2004-2005).
 Florida Medical Association, Young Physicians Section.
 Florida Orthopaedic Society.
 International Musculoskeletal Laser Society-Physician Member (12/16/2004).
 Palm Beach County Medical Society.
 Spine Arthroplasty Society- Charter Member.

Southern Medical Association.
Southern Orthopaedic Association (Member ID #B29316).

MEMBERSHIP IN OTHER SOCIETIES

National Republican Congressional Committee, Honorary Co-Chairman, Business Advisory Council.
Outstanding Young Americans, Outstanding Young Men of America, 31st Anniversary Edition, 1998.
Guide to America's Top Surgeons. Consumers Research Council of America. 2002-2003 Edition.
Member of the Brown Medical Alumni Association Board. 2003 - 2011

MEDICAL LICENSES

Florida- ME 54695: since December 13, 1988.
Texas- H2002: since August 28, 1987.
Georgia -71751: since May 2015
Colorado- 43212: 2004-2012.

ACCREDITATION

1. ADVANCED CARDIAC LIFE SUPPORT (ACLS): January 1985. Recertified 2015.
2. CARDIOPULMONARY RESUSCITATION (CPR): January 1985-Recertified 1990.
3. ADVANCED TRAUMA LIFE SUPPORT (ATLS): August 1986.

HONORS

1976	New York State Education Department Mini-Grant: SelfTeach Basic Anatomy. Educational Research and Demonstration Center; Plattsburgh, NY.
1978-1982	Tulane Scholar: Tulane University; New Orleans, LA.
1980	Beta Beta Beta: Tulane University; New Orleans, LA.
1980	Alpha Epsilon Delta (President 1981-1982): Tulane University; New Orleans, LA.
1981	Omicron Delta Kappa: Tulane University; New Orleans, LA.
1982-1995	Sigma Xi, The Scientific Research Society.
1982	Honors Thesis: Infrared Spectrophotometric Characterization of Urinary Tract Calculi. Tulane University; New Orleans, LA.
May 1982	John H. Stibbs Memorial Award (conferred at graduation): Tulane University; New Orleans, LA.
1986	Masters Thesis: Evaluation of Polylactic Acid Nerve Guides. Brown University; Providence, RI.
May 1989	Physician's Recognition Award: American Medical Association.
March 1998-2001	Physician's Recognition Award: American Medical Association.
July 2004-2007	Physician's Recognition Award: American Medical Association.

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| December 2005 | Lifetime Achievement Award in the Field of Minimally Invasive Spine Medicine and Surgery. Awarded by The American Academy of Minimally Invasive Spinal Medicine and Surgery: John C. Chiu, MD FRCS DSc (Founding Member). |
| February 2006 | 2006 Distinguished Physician "A Physician Who Cares." In gratitude for service to and support of The Florida Medical Association. |

SCIENTIFIC AWARDS

1. First Place, Scientific Poster Achievement Award. Intra-articular Fractures of the Calcaneus-The UTMB Experience. The 86th Annual Scientific Assembly of the Southern Medical Association. San Antonio, TX; November 12-15, 1992.

LECTURES PRESENTED

1. Intra-articular Fractures of the Calcaneus-The UTMB Experience. The 9th Annual G.W.N. Eggers Lectureship, The University of Texas Medical Branch Orthopaedic Alumni Meeting. Galveston, TX; May 16, 1991.
2. Intra-articular Fractures of the Calcaneus-The UTMB Experience. The 22nd Annual Winter Meeting of the American Orthopaedic Foot and Ankle Society. Washington, D.C.; February 23, 1992.
3. The Hindfoot. Musculoskeletal Case Conference, North Florida Regional Hospital. Gainesville, FL; April 1992.
4. Tumors of the Axial Skeleton-An Overview. Texas Scottish Rite Hospital Advanced Course. Cancun, Mexico; April 1992.
5. Advances in Fixation of the Rheumatoid Cervical Spine. The 46th Annual Meeting of the Florida Orthopaedic Society. Key Biscayne, FL; May 16, 1992.
6. Effects of Heat and Compression on Thermal Molded Shoe Insert Materials. The 8th Annual Summer Meeting of the American Orthopaedic Foot and Ankle Society. Napa, CA; July 1992.
7. Surgical Techniques. Steerable Endoscopic Discectomy Course. Sponsored by the University of Southern California. West Palm Beach, FL; December 4-5, 1993.
8. Neck Pain. Palm Beach Regional Hospital Physician's Lecture Series. West Palm Beach, FL; December 13, 1993.
9. That Pain in Your Neck. Wellington Regional Medical Center Physician's Lecture Series. Wellington, FL; March 1994.

10. Arthritis of the Forefoot. American Orthopaedic Foot and Ankle Society Regional Review Course. Orlando, FL; November 4-5, 1994 (presented in my absence).
11. Surgical Experience: The First Fifty. Steerable Endoscopic Discectomy Course. Sponsored by the University of Southern California. Orlando, FL; November 4-5, 1994.
12. That Pain in Your Neck. Palm Beach Regional Hospital Physician's Lecture Series. West Palm Beach, FL; February 6, 1995.
13. Axis Fixation System. Sofamor Danek Americas Sales Training. Key West, FL; March 22, 1995.
14. Texas Scottish Rite Hospital System. Sofamor Danek Americas Sales Training. Key West, FL; March 22, 1995.
15. Endoscopic Lumbar Discectomy. Steerable Endoscopic Discectomy Course. Sponsored by Rush- Presbyterian-St. Luke's Medical Center and Surgical Dynamics. Rosemont, IL; September 23, 1995.
16. Laparoscopic Discectomy. Steerable Endoscopic Discectomy Course. Sponsored by Rush- Presbyterian-St. Luke's Medical Center and Surgical Dynamics. Rosemont, IL; September 23, 1995.
17. Symptoms, Anatomy and Pathology of Herniated Lumbar Discs. Sponsored by Cedars-Sinai Medical Center and Surgical Dynamics. Los Angeles, CA; November 18, 1995.
18. Injury to the Lisfranc Joint Complex. Florida Podiatric Medical Association Scientific and Management Symposium 1996. Walt Disney World Resort Contemporary Hotel; January 11, 1996.
19. Calcaneal Fracture Forum. Florida Podiatric Medical Association Scientific and Management Symposium 1996. Walt Disney World Resort Contemporary Hotel; January 11, 1996.
20. Fractures of the Talus. Florida Podiatric Medical Association Scientific and Management Symposium 1996. Walt Disney World Resort Contemporary Hotel; January 12, 1996.
21. Symptoms, Anatomy and Pathology of Herniated Lumbar Discs. Sponsored by Georgia Baptist Medical Center and Surgical Dynamics. Atlanta, GA; February 21, 1996.
22. BAK Lumbar Interbody Fusion System. Bioscience Review. Lumbar Interbody Fusion Procedures of the Spine Utilizing BAK Lumbar Instrumentation. Sponsored by Orthopedic Concepts, Inc. and Spine-Tech, Inc. Health Central Hospital, Orlando, FL; September 28, 1996.

23. BAK Lumbar Interbody Fusion System. Anterior Approach. Lumbar Interbody Fusion Procedures of the Spine Utilizing BAK Lumbar Instrumentation. Sponsored by Orthopedic Concepts, Inc. and Spine-Tech, Inc. Good Samaritan Medical Center, West Palm Beach, FL; December 8, 1996.
24. BAK Lumbar Interbody Fusion System. Anterior Approach and Clinical Results. Lumbar Interbody Fusion Procedures of the Spine Utilizing BAK Lumbar Instrumentation. Sponsored by Orthopedic Concepts, Inc. and Spine-Tech, Inc. St. Joseph's Hospital, Tampa, FL; February 1, 1997.
25. Laparoscopic Discectomy. The 50th Annual Meeting of the Florida Orthopaedic Society. Hyatt Grand Cypress-Orlando, Orlando, FL; June 6, 1997.
26. Laparoscopic Discectomy. The 91st Annual Scientific Assembly of the Southern Medical Association. Charlotte Convention Center, Charlotte, NC; November 7, 1997.
27. Laparoscopic Discectomy. The International College of Surgeons-U.S. Section 60th Annual Surgical Update and The American Academy of Neurological and Orthopaedic Surgeons Annual Meeting (Combined Meeting). Hyatt Regency Maui, Maui, HI; June 20, 1998.
28. Running Injuries. 1999 Florida Podiatric Medical Association Science and Management Symposium. Wyndham Palace Resort & Spa, Lake Buena Vista, FL; January 14, 1999.
29. Laparoscopic Discectomy. Southern Orthopaedic Association 16th Annual Meeting. Ritz-Carlton, Amelia Island, FL; July 17, 1999.
30. Cervical Discectomy. PeriAnesthesia Nursing: A Twentieth Century Update. Sponsored by Palm Beach Association of PeriAnesthesia Nurses. Good Samaritan Hospital, West Palm Beach, FL; September 25, 1999.
31. Cervical Discectomy. Minimally-Invasive Spine Update. Sponsored by the American College of Physicians & Surgeons and Dannemiller Memorial Educational Foundation. *Disney Magic*, Port Canaveral, Florida; November 5-8, 1999.
32. Experience with Percutaneous Cervical Endoscopic Discectomy. First World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Alexis Park Resort, Las Vegas, Nevada; December 8, 2000.
33. Laparoscopic Discectomy. First World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Alexis Park Resort, Las Vegas, Nevada; December 8, 2000.

34. Spinal Fusion or No Fusion. First World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Alexis Park Resort, Las Vegas, Nevada; December 8, 2000.
35. Cervical Discectomy. Minimally-Invasive Spine Update 2001. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Copper Mountain Resort, Copper Mountain, CO; February 19, 2001.
36. Laparoscopic Discectomy. Second World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Monte Carlo Resort & Casino, Las Vegas, Nevada; December 8, 2001.
37. Experience with Percutaneous Laser Cervical Endoscopic Discectomy. Second World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Monte Carlo Resort & Casino, Las Vegas, Nevada; December 8, 2001.
38. Cervical Discectomy. Minimally-Invasive Spine Update 2002. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Royal Caribbean's *Majesty of The Seas*, Miami, FL- Nassau, The Bahamas; February 15-18, 2002.
39. Cervical Discectomy. Minimally-Invasive Spine Update 2002-Cervical. *Course Director*. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Celebrity Cruise Line's *Millennium*, Fort Lauderdale, FL & Lake Worth, FL; October 25-27, 2002.
40. Minimally Invasive Surgical Treatment for Discogenic Injury. Annual Meeting of the Florida Academy of Pain Medicine. Sponsored by the Florida Academy of Pain Medicine. Rosen Plaza Hotel, Orlando, FL; May 31, 2002.
41. Endoscopic Cervical Discectomy with LASE. Third World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Pointe Hilton Squaw Peak Resort, Phoenix, AZ; December 10, 2002.
42. Considerations in Neck Surgery. Rehabilitation Review Series 2002-2003 at Pinecrest Rehabilitation Hospital Tenet Healthcare Systems. Delray Beach, FL; January 9, 2003.
43. Introduction to Minimally Invasive Endoscopic Spine Surgery. Sponsored by Clinical Education Services. Disney's Coronado Springs Resort, Lake Buena Vista, FL; February 2, 2003.
44. Cervical Discectomy. Minimally-Invasive Spine Update 2003. *Course Director*. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Keystone Resort, Keystone, CO & Aurora, CO; March 28-31, 2003.

45. Anterior Cervical Discectomy. IITS 16th Annual Meeting. Sponsored by the International Intradiscal Therapy Society. Embassy Suites Lakefront, Chicago, IL; April 2-5, 2003.
46. Evolution of Cervical Disc Surgery: Part 1 & II. Fourth Global Congress of The American Academy of Minimally Invasive Spinal Medicine and Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine and Surgery. Hyatt Westlake Plaza Hotel, Thousand Oaks, CA; November 19-22, 2003.
47. Evolution of Cervical Disc Surgery. International 22nd Course for Percutaneous Endoscopic Spine Surgery and Complementary Techniques. Sponsored by the International Society for Minimal Intervention in Spinal Surgery (ISMISS) and Societe Internationale de Chirurgie Orthopedique Traumatologie (SICOT). Zollikerberg Hospital, Zurich, Switzerland; January 29, 2004.
48. Cervical and Lumbar Nucleoplasty. Minimally-Invasive Spine Update 2004. Course Director. Sponsored by the American College of Physicians and Surgeons and Continuing Education, Inc. The Canyons Resort, Park City, UT; March 27, 2004.
49. Evolution of Cervical Disc Surgery. Minimally-Invasive Spine Update 2004. Course Director. Sponsored by the American College of Physicians and Surgeons and Continuing Education, Inc. The Canyons Resort, Park City, UT; March 27, 2004.
50. The Evolution of Cervical Disc Surgery in the US. The 11th Congress of the International Musculoskeletal Laser Society (IMLAS). Sponsored by the Korean Musculoskeletal Laser and Radiofrequency Society. Coex Inter-Continental Hotel, Seoul, Korea; May 12-15, 2004.
51. Minimally Invasive Outpatient Spine Surgery in an ASC Setting. Florida Orthopaedic Society 2004 Annual Scientific Meeting. Sponsored by the Florida Orthopaedic Society and the American Academy of Orthopaedic Surgeons. Ocean Reef Club, Key Largo, FL; May 21, 2004.
52. Endoscopic Cervical Discectomy. Minimally Invasive Spine Update Cervical 2004. Course Director. Sponsored by the American College of Physicians & Surgeons and Continuing Education, Inc. Holland America's *Westerdam*, Port Everglades, FL; December 3, 2004.
53. Cervical Rehabilitation. Minimally Invasive Spine Update Cervical 2004. Course Director. Sponsored by the American College of Physicians & Surgeons and Continuing Education, Inc. Holland America's *Westerdam*, Port Everglades, FL; December 3, 2004.
54. Discal Nucleoplasty: Principles & Basic Science. II Simposio Internacional De Tecnicas Minimamente Invasivas Aplicadas A Ortopedia E Coluna Vertebral. Hospital Abreu Sodre, Sao Paulo, Brazil; April 15, 2005.

55. Cervical & Lumbar Discal Nucleoplasty: Clinical Results. II Simposio Internacional De Tecnicas Minimamente Invasivas Aplicadas A Ortopedia E Coluna Vertebral. Hospital Abreu Sodre, Sao Paulo, Brazil; April 16, 2005.
56. Anterior Cervical Discectomy. MISU 2005-AAMISMS 10th Course: Innovations and Advances in Disc Surgery. Course Co-Director. Sponsored by Continuing Education, Inc. and the American College of Physicians and Surgeons. The Gables Surgery Center, Coral Gables, FL and Royal Caribbean's *Majesty of The Seas*, Miami, FL to Nassau, The Bahamas; December 9-12, 2005.
57. Anterior Cervical Discectomy. Fifth Global Congress of Minimally Invasive Spinal Specialists. Sponsored by The Royal College of Physicians & Surgeons of The United States. Hilton Hasbrouck Heights Hotel, Hasbrouck Heights, NJ; December 15-18, 2005.
58. Cervical LASE. Fifth Global Congress of Minimally Invasive Spinal Specialists. Sponsored by The Royal College of Physicians & Surgeons of The United States. Hilton Hasbrouck Heights Hotel, Hasbrouck Heights, NJ; December 15-18, 2005.
59. Anterior Cervical Discectomy. AAMISMS 14th Course for Innovations and Advances in Endoscopic Minimally Invasive Spine Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine & Surgery. California Spine Institute, Thousands Oaks, CA; February 16, 2006.
60. Future of MISS- Disc Replacement. AAMISMS 14th Course for Innovations and Advances in Endoscopic Minimally Invasive Spine Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine & Surgery. California Spine Institute, Thousands Oaks, CA; February 16, 2006.
61. Anterior Cervical Discectomy. MISU 2006- MISS in the Sacred Valley. Course Director. Sponsored by the American College of Physicians and Surgeons. Cusco, Peru; June 15-18, 2006.
62. Cervical Nucleoplasty. MISU 2006- MISS in the Sacred Valley. Course Director. Sponsored by the American College of Physicians and Surgeons. Cusco, Peru; June 15-18, 2006.
63. Thoracic Thermodyscoplasty. MISU 2006- MISS in the Sacred Valley. Course Director. Sponsored by the American College of Physicians and Surgeons. Cusco, Peru; June 15-18, 2006.
64. Cervical Endoscopic Discectomy. AAMISMS/MISU China 2007. Course Director. Sponsored by the American Academy of Minimally Invasive Spinal Medicine & Surgery and the American College of Physicians and Surgeons. Los Angeles, California, Shanghai and Beijing, China; March 30-April 7, 2007.

65. Cervical Nucleoplasty. AAMISMS/MISU China 2007. *Course Director*. Sponsored by the American Academy of Minimally Invasive Spinal Medicine & Surgery and the American College of Physicians and Surgeons. Los Angeles, California, Shanghai and Beijing, China; March 30-April 7, 2007.
66. Nucleus Replacements. AAMISMS/MISU China 2007. *Course Director*. Sponsored by the American Academy of Minimally Invasive Spinal Medicine & Surgery and the American College of Physicians and Surgeons. Los Angeles, California, Shanghai and Beijing, China; March 30-April 7, 2007.
67. Lumbar Nucleoplasty. AAMISMS/MISU China 2007. *Course Director*. Sponsored by the American Academy of Minimally Invasive Spinal Medicine & Surgery and the American College of Physicians and Surgeons. Los Angeles, California, Shanghai and Beijing, China; March 30-April 7, 2007.
68. Cervical MISS Techniques. Sixth Annual Global Scientific Convention. Sponsored by the American Academy of Minimally Invasive Spinal Specialists in cooperation with the Royal College of Physicians & Surgeons (US) and the American International University. Las Vegas, NV; April 15, 2007.
69. Anterior Cervical Discectomy. Sixth Annual Global Scientific Convention. Sponsored by the American Academy of Minimally Invasive Spinal Specialists in cooperation with the Royal College of Physicians & Surgeons (US) and the American International University. Las Vegas, NV; April 15, 2007.
70. Minimally Invasive Spinal Surgery. 2007 FAPA Summer Symposium. Sponsored by the Florida Academy of Physician Assistants. Loews Hotel, Miami Beach, FL; August 10, 2007.
71. Platelet Gel as Adjunct to Endoscopic Discectomy. Sociedad Mexicana de Minima Invasión de Columna (SOMMIC). Camino Real Guanajuato Hotel, Guanajuato City, Mexico; November 30, 2007.
72. Anterior Cervical Discectomy. Sociedad Mexicana de Minima Invasión de Columna (SOMMIC). Camino Real Guanajuato Hotel, Guanajuato City, Mexico; November 30, 2007.
73. Cervical Disc Replacement. Sociedad Mexicana de Minima Invasión de Columna (SOMMIC). Camino Real Guanajuato Hotel, Guanajuato City, Mexico; November 30, 2007.
74. Nucleoplasty. Sociedad Mexicana de Minima Invasión de Columna (SOMMIC). Camino Real Guanajuato Hotel, Guanajuato City, Mexico; November 30, 2007.
75. Percutaneous & Endoscopic Cervical Discectomy. The First World Congress of Minimally Invasive Spine Surgery & Techniques (WCMISST). Pre-Congress Cadaver Workshop. University of Hawaii, Burns School of Medicine, Honolulu, HI; June 3, 2008.

76. Anterior Cervical Discectomy with and without Platelet Gel. The First World Congress of Minimally Invasive Spine Surgery & Techniques (WCMISST). Hilton Hawaiian Village Resort & Spa, Honolulu, HI; June 7, 2008.
77. Laser Endoscopic Cadaver Workshop. Invited Faculty. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Park Place Surgical Center, Maitland, FL; October 9, 2010.
78. Identification of fibronectin aggrecan complex (FAC) associated with inflammatory cytokines in cervical radiculopathy resulting from herniated disc. Global Spine Congress 2011. Barcelona, Spain. March 24, 2011.
79. Minimally Invasive Spinal Surgery. The Palm Restaurant, Hard Rock Hotel, Orlando, FL. April 31, 2011.
80. Identification of fibronectin aggrecan complex (FAC) associated with inflammatory cytokines in cervical radiculopathy resulting from herniated disc. SAS11 - 11th Annual Conference. The International Society for the Advancement of Spine Surgery. Las Vegas, NV. April 28, 2011.
81. Laser Endoscopic Cadaver Workshop. Invited Faculty. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; October 1, 2011.
82. Cervical and Lumbar Endoscopic Cadaver Workshop. Faculty. Endeavour Medical, LLC, Birmingham, AL. Lake Worth Surgical Center, Lake Worth, FL; March 3 and August 25, 2012.
83. Nucleotome Cadaver Workshop. Invited Faculty. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; March 16, 2013.
84. Laser Endoscopic Cadaver Workshop. Invited Faculty. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; April 20, 2013.
85. Cervical and Lumbar Nucleotome Cadaver Workshop. Faculty. Endeavour Medical, LLC, Birmingham, AL. Lake Worth Surgical Center, Lake Worth, FL; November 23, 2013.
86. Nucleotome Cadaver Workshop. Invited Faculty. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; March 1, 2014.
87. Nucleotome Cadaver Workshop. Invited Faculty. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; October 1, 2014.
88. Cervical Thoracic and Lumbar Nucleotome Decompression Cadaver Workshop. Invited Faculty for International Training. Endeavour Medical, LLC, Birmingham, AL. Lake Worth Surgical Center, Lake Worth, FL; May 5, 2015.

89. Cervical Thoracic and Lumbar Nucleotome Decompression Cadaver Workshop. Invited Faculty for International Training. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; October 31,2015.

90. Lumbar and Cervical Percutaneous Discectomy using the Nucleotome System Cadaver Workshop. Invited Faculty for International Training. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; March 19, 2016.

91. Cervical Thoracic and Lumbar Percutaneous Discectomy using the Nucleotome System Didactic Presentation and Cadaver Workshop. Invited Faculty for International Training. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Boca Raton, FL and Lake Worth Surgical Center, Lake Worth, FL; October 28 & 29,2016.

MEETINGS ATTENDED

LOCAL

1. The 5th, 6th, 7th, 8th & 9th Annual G.W.N. Eggers Lectureships; The University of Texas Medical Branch Orthopaedic Alumni Meeting. Galveston, TX; May 1987-May1991.
2. Musculoskeletal Case Conference; North Florida Regional Hospital. Gainesville, FL; April1992.
3. Total Knee Replacement. Sponsored by Palm Beach Orthopaedic Society. JFK Medical Center, Atlantis, FL; December 21, 1992.
4. Palm Beach Regional Hospital Physician's Lecture Series. West Palm Beach, FL; December 13, 1993.
5. Wellington Regional Medical Center Physician's Lecture Series. Wellington, FL; March 1994.
6. Palm Beach Regional Hospital Physician's Lecture Series. West Palm Beach, FL; February 6, 1995.
7. South Florida Foot & Ankle Journal Club. John Bowker, M.D., Mark Bromson, M.D., Robert Mills, Jr., M.D., Merrill W. Reuter, M.D. Christie's Restaurant, Coral Gables, FL; September 24, 1996.

89. Cervical Thoracic and Lumbar Nucleotome Decompression Cadaver Workshop. Invited Faculty for International Training. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; October 31,2015.

90. Lumbar and Cervical Percutaneous Discectomy using the Nucleotome System Cadaver Workshop. Invited Faculty for International Training. Sponsored by Clarus Medical, LLC, Minneapolis, MN. Lake Worth Surgical Center, Lake Worth, FL; March 19, 2016.

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4. Palm Beach Regional Hospital Physician's Lecture Series. West Palm Beach, FL; December 13, 1993.
5. Wellington Regional Medical Center Physician's Lecture Series. Wellington, FL; March 1994.
6. Palm Beach Regional Hospital Physician's Lecture Series. West Palm Beach, FL; February 6, 1995.
7. South Florida Foot & Ankle Journal Club. John Bowker, M.D., Mark Bromson, M.D., Robert Mills, Jr., M.D., Merrill W. Reuter, M.D. Christie's Restaurant, Coral Gables, FL; September 24, 1996.
8. Surgical Grand Rounds: Lumbar fusion by Charles Theophilis, M.D. and Surgical antibiotic prophylaxis by Larry Bush, M.D. JFK Medical Center, Atlantis, FL; June 11, 1998.

9. Pain Management, Speaker Training Program for Physicians. Harry Lazarus, Pharm.D., Director. Marriott Harbor Beach Hotel, Fort Lauderdale, FL; April 8, 2000.
10. Low Back Pain: Evolution and Treatment. Barth Green, M.D., Chairman of Neurosurgery, University of Miami. Riverside Hotel, Fort Lauderdale, FL; April 8, 2000.
11. Hurricane and Disaster Preparedness Orientation, Palm Beach County Medical Reserve Corps. Palm Beach County Medical Society, West Palm Beach, FL; December 11, 2008.

REGIONAL

1. The 46th Annual Meeting of the Florida Orthopaedic Society. Sonesta Beach Hotel, Key Biscayne, FL; May 14-17, 1992.
2. The 47th Annual Meeting of the Florida Orthopaedic Society. Palm Beach, FL; December 1993.
3. The 48th Annual Meeting of the Florida Orthopaedic Society. Ritz Carlton, Naples, FL; October 28-30, 1994.
4. Florida Podiatric Medical Association Scientific and Management Symposium 1996. Walt Disney World Resort Contemporary Hotel; January 11-12, 1996.
5. The 50th Annual Meeting of the Florida Orthopaedic Society (50th Anniversary Meeting). Hyatt Grand Cypress-Orlando, Orlando, FL; June 6-8, 1997.
6. The Florida Medical Association, Inc. - Young Physician's Section Governing Council. Orlando Airport Marriott, Orlando, FL; September 26, 1997.
7. The 91st Annual Scientific Assembly of the Southern Medical Association. Charlotte Convention Center, Charlotte, NC; November 6-9, 1997.
8. The 51st Annual Meeting of the Florida Orthopaedic Society. Coral Gables, FL; May 15, 1998.
9. The 1999 Florida Podiatric Medical Association Scientific and Management Symposium. Wyndham Palace Resort & Spa, Lake Buena Vista, FL; January 14, 1999.
10. Southern Orthopaedic Association 16th Annual Meeting. Ritz-Carlton, Amelia Island, FL; July 17, 1999.
11. 2001 Annual Conference of the Florida Academy of Pain Medicine. Sponsored by the Florida Medical Association and the Florida Academy of Pain Medicine. Hyatt Regency Westshore, Tampa, FL; June 29-July 1, 2001.

12. Florida Orthopaedic Society Annual Scientific Meeting. Hyatt Regency Grand Cypress, Orlando, FL; May 23-26, 2002.
13. Annual Meeting of the Florida Academy of Pain Medicine. Sponsored by the Florida Academy of Pain Medicine. Rosen Plaza Hotel, Orlando, FL; May 30-31, 2002.
14. 2002 Joint Annual Meeting of the Florida Chapter, American College of Surgeons and the Florida Surgical Society. Ritz Carlton, Sarasota, FL; June 21-23, 2002.
15. Florida Medical Association Annual Meeting. Delegate for Florida Orthopaedic Society and Alternate Delegate for Palm Beach County Medical Society. Wyndham Palace, Lake Buena Vista, FL: August 29-September 1, 2002.
16. Florida Orthopaedic Society Annual Scientific Meeting. Sponsored by the American Academy of Orthopaedic Surgeons and the Florida Orthopaedic Society. Sawgrass Maniott Resort and Beach Club, Ponte Vedra Beach, FL; May 22-25, 2003.
17. Florida Orthopaedic Society 2004 Annual Scientific Meeting. Sponsored by the Florida Orthopaedic Society and the American Academy of Orthopaedic Surgeons. Ocean Reef Club, Key Largo, FL; May 21, 2004.
18. 2007 FAPA Summer Symposium. Sponsored by the Florida Academy of Physician Assistants. Loews Hotel, Miami Beach, FL; August 10, 2007.
19. SpineFrontier Training Symposium. Chameleon FacetFuse MIS screw system. Florida Atlantic Orthopedics, Boca Raton, FL; December 20, 2008.

NATIONAL & INTERNATIONAL

1. Orthopaedic Research Society. San Francisco, CA; January 1987.
2. The 54th Annual American Academy of Orthopaedic Surgeons. San Francisco, CA; January 1987.
3. Southern Orthopaedic Association Residents and Fellow Meeting. New Orleans, LA; November 1988.
4. The 56th Annual American Academy of Orthopaedic Surgeons. Las Vegas, NV; February 1989.
5. The 59th Annual American Academy of Orthopaedic Surgeons. Washington, D.C.; February 1992.
6. The 22nd Annual Winter Meeting of the American Orthopaedic Foot and Ankle Society. Washington, D.C.; February 1992.

7. The 8th Annual Summer Meeting of the American Orthopaedic Foot and Ankle Society. Napa, CA; July 15-19, 1992.
8. The 62nd Annual American Academy of Orthopaedic Surgeons. Orlando, FL; February 16-21, 1995.
9. The 10th Annual Meeting of the Federation of Spine Associations. Orlando, FL; February 19, 1995.
10. The 25th Annual Winter Meeting of the American Orthopaedic Foot and Ankle Society. Orlando, FL; February 19, 1995.
11. The 63rd Annual American Academy of Orthopaedic Surgeons. Atlanta, GA; February 22-26, 1996.
12. The 11th Annual Meeting of the Federation of Spine Associations. Atlanta, GA; February 25, 1996.
13. The 26th Annual Winter Meeting of the American Orthopaedic Foot and Ankle Society. Atlanta, GA; February 25, 1996.
14. The 10th Annual International Intradiscal Therapy Society, Inc. The Ritz Carlton Hotel, Naples, FL; May 28-June 1, 1997. Key Sessions attended: Contemporary Topics in Spine Surgery; Laparoscopic and Minimally Incisional Approaches for Lumbar Spine Discectomy and Fusion; Laparoscopic Anterior Spinal Arthrodesis with rhB:rvtP-2 in a Titanium Interbody Threaded Cage; and Percutaneous Microdecompressive Endoscopic Spinal Discectomy with New Laser Thermodiskoplasty for Non-extruded Herniated Nucleus Pulposus (Intervertebral Discs): 115 Cases.
15. Research Consortium for the Dallas Foot and Ankle Fellowship. James W. Brodsky, M.D., Director. Monterey, CA; July 16, 1997.
16. The 13th Annual Summer Meeting of the American Orthopaedic Foot and Ankle Society. Hyatt Regency Monterey, Monterey, CA; July 17-19, 1997.
17. Disney's Health & Fitness Expo. Wide World of Sports Complex, Lake Buena Vista, FL; January 9-10, 1998.
18. The International College of Surgeons-United States Section 60th Annual Surgical Update and The American Academy of Neurological and Orthopaedic Surgeons Annual Meeting (Combined Meeting). Hyatt Regency Maui, Maui, HI; June 20, 1998.
19. The 6th National Scientific Academy and Retreat of The American College of Forensic Examiners and The American Psychotherapy Association. Registry Resort, Naples, FL; October 12-14, 1998.

20. American Society for Laser Medicine and Surgery, Inc. 19th Annual Meeting. Buena Vista Palace, Lake Buena Vista, FL; April 16, 1999.
21. North American Spine Society Meeting of the Americas I. Fontainebleau Hotel, Miami, FL; May 10-12, 1999.
22. The Inaugural Meeting of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Harrah's Hotel & Casino, Las Vegas, NV; October 14-16, 1999.
23. The American Academy of Neurological and Orthopaedic Surgeons 24th Annual Scientific Meeting: Neurological and Orthopaedic Surgery in the New Millennium. Sponsored by the University of Nevada School of Medicine-Reno. Monte Carlo Resort & Casino, Las Vegas, NV; July 22, 2000.
24. First World Congress of Minimally Invasive Spinal Medicine and Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine and Surgery. Alexis Park Resmi, Las Vegas, NV; December 8-10, 2000.
25. Second World Congress of Minimally Invasive Spinal Medicine and Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine and Surgery. Monte Carlo Resort & Casino, Las Vegas, NV; December 6-9, 2001.
26. Chairman's Dinner for International Musculoskeletal Laser Society (IMLAS). Invited by Dr. Kwon Ick Ha, Chairman of Organizing Committee for the 11th Congress of the International Musculoskeletal Laser Society. Korea House, Korea Town, San Diego, CA; August 26, 2002.
27. Fourth Annual Interventional Pain Medicine/Practice Symposium. Sponsored by the American Society of Interventional Pain Physicians. Hilton Alexandria Mark Center, Alexandria, VA; September 21-22, 2002.
28. Third World Congress of Minimally Invasive Spinal Medicine and Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine and Surgery. Pointe Hilton Squaw Peak Resort, Phoenix, AZ; December 8-10, 2002.
29. International Intradiscal Therapy Society (IITS) 16th Annual Meeting. Sponsored by the International Intradiscal Therapy Society. Embassy Suites Lakefront, Chicago, IL; April 3-4, 2003.
30. World Spine II: Second Interdisciplinary Congress on Spine Care (served as Faculty). Sponsored by the North American Spine Society and the American Association of Neurological Surgeons/Congress of Neurological Surgeons Joint Section on Disorders of the Spine and Peripheral Nerves. Hyatt Regency Hotel, Chicago, IL; August 10-13, 2003.
31. 18th Annual Meeting of the North American Spine Society. Sponsored by the North American Spine Society. San Diego Convention Center, San Diego, CA; October 21-25, 2003.

32. Fourth Global Congress of Minimally Invasive Spinal Medicine and Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine and Surgery. Hyatt Westlake Plaza Hotel, Thousand Oaks, CA; November 19-22, 2003.
33. The 11^o Congress of the International Musculoskeletal Laser Society (IMLAS). Sponsored by the Korean Musculoskeletal Laser and Radiofrequency Society. Coex Inter-Continental Hotel, Seoul, Korea; May 12-15, 2004.
34. The 72^d Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS). Sponsored by the American Academy of Orthopaedic Surgeons. Washington, D.C.; February 23-27, 2005.
35. II Simposio Internacional De Tecnicas Minimamente Invasivas Aplicadas A Ortopedia E Coluna Vertebral. Hospital Abreu Sodre, Sao Paulo, Brazil; April 15-16, 2005.
36. Fifth Global Congress of Minimally Invasive Spinal Specialists. Sponsored by The Royal College of Physicians & Surgeons of The United States. Hilton Hasbrouck Heights Hotel, Hasbrouck Heights, NJ; December 15-18, 2005.
37. Sixth Annual Global Scientific Convention. Sponsored by the American Academy of Minimally Invasive Spinal Specialists in cooperation with the Royal College of Physicians & Surgeons (US) and the American International University. Las Vegas, NV; April 14-16, 2007.
38. 2007 International Whiplash Trauma Congress. Sponsored by the Spinal Injury Foundation. Trump International Sonesta Beach Resort, Miami, FL; October 26-27, 2007.
39. Sociedad Mexicana de Minima Invasion de Columna (SOMMIC). Camino Real Guanajuato Hotel, Guanajuato City, Mexico; November 29-December 2, 2007.
40. Pre-Congress Cadaver Workshop. The First World Congress of Minimally Invasive Spine Surgery & Techniques (WCMISSST). Faculty, University of Hawaii, Bums School of Medicine; June 3-4, 2008.
41. The First World Congress of Minimally Invasive Spine Surgery & Techniques (WCMISSST). National Committee Member (US). Faculty and Moderator. Hilton Hawaiian Village Resort & Spa, Honolulu, HI; June 5-7, 2008.
42. Superbones Conference. Sponsored by the American College of Physicians & Surgeons. Atlantis Resort, Nassau, The Bahamas; January 29-February 1, 2009.
43. The American Academy of Orthopaedic Surgeons 2010 Annual Meeting. Morial Convention Center, New Orleans, LA; March 9-13, 2010.
44. North American Spine Society 25th Annual Meeting. Orange County Convention Center, Orlando, FL; October 5-9, 2010.

45. The American Academy of Orthopaedic Surgeons 2011 Annual Meeting. San Diego Convention Center, San Diego, CA; February 15-19, 2011.
46. Global Spine Congress 2011 -Barcelona, Spain. Palau de Congressos de Catalunya. Barcelona, Spain. March 24-26, 2011.
47. SAS11 - 11th Annual Conference. The International Society for the Advancement of Spine Surgery. Las Vegas, NV. April 26-29, 2011.
48. The American Academy of Orthopaedic Surgeons 2012 Annual Meeting. Moscone Center, San Francisco, CA; February 7-11, 2012.
49. The American Academy of Orthopaedic Surgeons 2014 Annual Meeting. Morial Convention Center, New Orleans, LA; March 11-15, 2014.
50. Brain Tumor & Minimally Invasive Spine Symposium. Latin American Society of Neurosurgery USA-Canada. Miami Anatomical Research Center, Doral, FL. March 20-23, 2014.
51. The AAOS Board MOC Preparation and Review East. Long Wharf Marriott Boston, MA. November 6-8, 2014.
52. Brain & Spine Symposium. Miami Neurosurgical Institute. Miami Anatomical Research Center & Eden Roc Hotel. Doral & Miami Beach, FL. September 17-20, 2015.

COURSES

1. Introduction to the Ilizarov External Fixator. Houston, TX; August 1988.
2. The Dallas Prosthetics and Orthotics Course. Dallas, TX; October 1988.
3. The Use of the Ilizarov External Fixator. Sponsored by the Division of Orthopaedic Surgery, The University of Texas Medical Branch. Galveston, TX; December 1988.
4. Midas Rex Institute Workshop. West Palm Beach, FL; July 1989.
5. Twenty-Seventh Annual Seminar in Musculoskeletal Pathology. Sponsored by William F. Enneking, M.D. Marineland, FL; April 1990.
6. The Adult Foot IV: Diabetic Foot-Current Strategies. Instructional Course Lecture. Sponsored by the 58th Annual American Academy of Orthopaedic Surgeons. Los Angeles, CA; March, 1991.
7. The Southwestern Orthopaedic Surgery Review. Dallas, TX; April 1991.

8. Endoscopic Carpal Tunnel Release-The Chow Technique (James C. Chow, M.D.). Sponsored by the Division of Orthopaedic Surgery, The University of Texas Medical Branch. Galveston, TX; May 1991.
9. Spinal Instrumentation Advanced Course. Sponsored by Texas Scottish Rite Hospital. Cancun, Mexico; April 1992.
10. Risk Management Course. Sponsored by Physician's Protective Trust Fund. The 46th Annual Meeting of the Florida Orthopaedic Society. Sonesta Beach Hotel, Key Biscayne, FL; May 16, 1992.
11. Advances in Total Joint Arthroplasty. Ocean Reef, FL; February 1993.
12. Automated Percutaneous Lumbar Discectomy Workshop. Sponsored by Spine '93. Orlando, FL; February 6-7, 1993.
13. MOSS Spinal Instrumentation. Schaumburg, IL; May 1993.
14. Crucial Decisions in Total Hip Arthroplasty. Sponsored by Education Design. Key Largo, FL; May 13-14, 1993.
15. Spinal Symposium. Sponsored by The Joint Implant Surgery and Research Foundation. Schaumburg, IL; June 11-12, 1993.
16. Summer Symposium: Comparative Segmental Spinal Instrumentation. Sonesta Beach Hotel and Spa, Hamilton, Bermuda; July 14-17, 1993.
17. Steerable Endoscopic Discectomy Course. Sponsored by the University of Southern California and Surgical Dynamics. West Palm Beach, FL; December 4-5, 1993.
18. Posterior Spinal Fusion with MOSS Miami Instrumentation. Sponsored by Harry Shufflebarger, M.D., Doctor's Hospital. Miami, FL; October 3, 1994.
19. Steerable Endoscopic Discectomy Course. Sponsored by the University of Southern California and Surgical Dynamics. Orlando, FL; November 4-5, 1994.
20. A Contemporary Update on Disorders of the Spine. Sponsored by Tampa General Healthcare. Whistler, British Columbia, Canada; January 8-13, 1995.
21. Thoracoscopy and Laparoscopy of the Spine. Sponsored by the Institute for Spine & Biomedical Research. Presbyterian Hospital of Dallas, Dallas, TX; June 9-10, 1995.
22. Steerable Endoscopic Discectomy Course. Sponsored by Rush- Presbyterian-St. Luke's Medical Center and Surgical Dynamics. Rosemont, IL; September 23, 1995.

23. Basic Sciences in Orthopaedics. Sponsored by The Harvard Combined Orthopaedic Residency Program Faculty in conjunction with The Newport Hospital. Newport, RI; June 17-25, 1995.
24. Steerable Endoscopic Discectomy Course. Sponsored by Cedars-Sinai Medical Center and Surgical Dynamics. Los Angeles, CA; November 18, 1995.
25. A Contemporary Update on Disorders of the Spine. Sponsored by Tampa General Healthcare. Whistler, British Columbia, Canada; January 14-19, 1996.
26. Steerable Endoscopic Discectomy Course. Sponsored by Georgia Baptist Medical Center and Surgical Dynamics. Atlanta, GA; February 21, 1996.
27. Lumbar Interbody Fusion Procedures of the Spine. Sponsored by the Institute for Spine & Biomedical Research. Presbyterian Hospital Plano, Plano, TX; August 16-17, 1996.
28. Lumbar Interbody Fusion Procedures of the Spine Utilizing BAK Lumbar Instrumentation. Sponsored by Orthopedic Concepts, Inc. Health Central Hospital, Orlando, FL; September 28, 1996.
29. Domestic Violence and HIV/AIDS Update. Sponsored by the American Academy of Family Physicians. Wellington Regional Medical Center, West Palm Beach, FL; October 24, 1996.
30. A Contemporary Update on Disorders of the Spine. Sponsored by Tampa General Healthcare. Whistler, British Columbia, Canada; January 12-17, 1997.
31. Orthopedic MRI. Sponsored by Florida Medical Foundation. Presented by Steven D. Needell, M.D. Concept Medical Diagnostic Center, Inc. Lake Worth, FL; April 17, 1997.
32. Maintaining Control of Your Orthopaedic Practice III, Office Arthroscopy and Office MRI. Chairman: Neal C. Small, M.D.; Co-Chairmen: Jack M. Bert, M.D. and Lanny L. Johnson, M.D.; Invited Guest Speaker: Lowell Scott Weil, D.P.M. Dallas Marriott Quorum, Dallas, TX; May 9-10, 1997.
33. Risk Aware for Managed Care. Independent Study Course Series 2. Independent Study. Sponsored by Medical Risk Management, Inc.; July 25, 1997.
34. The Spine: Current Concepts and Treatment. Chairman: Harry Herkowitz, M.D. Sponsored by The University of South Florida College of Medicine and The Spine Study Group. Four Seasons Resort, Palm Beach, FL; September 18-21, 1997.
35. Free Seminar. Sponsored by Bonati Institute for Advanced Arthroscopic Surgery. Ormni Hotel, West Palm Beach, FL; May 16, 1998.

36. Aging Spine. Sponsored by the Cleveland Clinic of Florida. Hyatt Regency Pier 66, Ft. Lauderdale, FL; May 17, 1998.
37. New Concepts and Options in Bone Grafting, Bone Substitute in Cervical and Lumbar Spinal Surgery. Sponsored by Education Designs and Interpore, Inc. Caribe Royal Suites, Orlando, FL; May 30, 1998.
38. Safety, Physics, and Tissue Effects. Holmium Laser Seminar. Sponsored by M.D.L.R., Inc.; December 1, 1998.
39. Holmium: YAG Laser Certification Course on Laser Safety, Physics and Tissue Interaction. Sponsored by Clams Medical; December 4, 1998.
40. Domestic Abuse: Interventions for Saving Lives & Relationships and AIDS Update. Sponsored by West Boca Medical Center, Boca Raton, FL. Maniott Boca Raton, Boca Raton, FL; March 11, 1999.
41. Guidelines for Ordering & Billing Diagnostic Services. Independent Study. Sponsored by Tulane University Medical Center, Center for Continuing Education, New Orleans, LA; March 23, 1999.
42. Principles & Practices of Clinical MRI. Sponsored by Johns Hopkins School of Medicine, Office of Continuing Medical Education, Baltimore, MD. Marco Island Hilton Beach Resort, Marco Island, FL; March 13, 1999.
43. Endoscopic Spine Surgery. Sponsored by Richard Wolf Medical Instruments Corporation. Phoenix, AZ; June 12, 1999.
44. Minimally-Invasive Spine Update. *Course Co-director*. Sponsored by the American College of Physicians & Surgeons and Dannemiller Memorial Educational Foundation. *Disney Magic*, Port Canaveral, Florida; November 5-8, 1999.
45. Coding & Practice Management Update 2000. Sponsored by the North American Spine Society. Vail, CO; January 20-22, 2000.
46. Lumbar *VF* Cage Training Symposium. John Brantigan, M.D., Course Chairman. Sponsored by DePuy/Acromed. Loews Miami Beach, Miami Beach, FL; April 14-15, 2000.
47. Millennium CME 2000: CME Conference and Leadership Training. Topics were: Domestic Violence and Elder Abuse: Potential Criminality of Medical Practice; HIV/AIDS; Ethical Treatment of the Dying Patient, Including Pain Control; Medical and Surgical Case Presentation in Emergency Medicine; and Florida Rules and Regulations. Sponsored by RCA-The Healthcare Company-Palm Beach County and Columbia Hospital, JFK Medical Center & Palms West Hospital. Breakers Hotel, Palm Beach, FL; July 7, 2000.

48. The Surgeon on Trial: What is the Standard of Care? Independent Study. Sponsored by Medical Education Resources, Inc., Littleton, CO; January 8, 2001.
49. KYPHOPLASTY: Current Treatment of Vertebral Body Compression Fractures. Presented by Charles Theophilus, M.D. JFK Medical Center, Atlantis, FL; January 18, 2001.
50. Minimally-Invasive Spine Update 2001. *Course Director*. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Copper Mountain Resort, Copper Mountain, CO; February 16-19, 2001.
51. Conference on the Study of Percutaneous Vertebral Body Access. Sponsored by American OsteoMedix and the University of Maryland. University of Maryland, Baltimore, MD; May 19, 2001.
52. Course #1770, Florida Domestic Violence Requirement and course #476, HIV/AIDS: The Florida Requirement for Physicians. Sponsored by CME Resource, Sacramento, CA; October 1, 2001.
53. Minimally-Invasive Spine Update 2002. *Course Director*. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Royal Caribbean's *Majesty of The Seas*, Miami, FL- Nassau, The Bahamas; February 15-18, 2002.
54. Percutaneous Vertebroplasty, Cadaver Workshop. Sponsored by Jupiter Surgical Systems. Lake Worth Surgical Center, Lake Worth, FL; March 16, 2002.
55. Endoscopic Posterolateral Lumbar Discectomy, Cadaver Workshop. Sponsored by Richard Wolf and Ellman. Lake Worth Surgical Center, Lake Worth, FL; April 13, 2002.
56. Prevention of Medical Errors Course. Sponsored by the Florida Medical Association and First Professional Insurance Company. Florida Orthopaedic Society Annual Scientific Meeting, Hyatt Regency Grand Cypress, Orlando, FL; May 26, 2002.
57. Minimally-Invasive Spine Update 2002-Cervical. *Course Director*. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Celebrity Cruise Line's *Millennium*, Ft Lauderdale, FL & Lake Worth, FL; October 25-27, 2002.
58. Percutaneous Cement Delivery and Percutaneous Discectomy. Sponsored by Health Stream | Education Design. Renaissance, Toronto Hotel at the Skydome, Toronto, Ontario, Canada; November 23, 2002.
59. Advanced Workshop on YESS. Sponsored by Anthony T. Yeung, M.D. and the Arizona Institute for Minimally Invasive Spinal Care. Squaw Peak Surgical Facility, Phoenix, AZ; December 7-8, 2002.

60. Spine Surgery and Practice. Sponsored by HealthStream. Snowbird, UT; March 14-15, 2003.
61. Minimally Invasive Spine Update 2003. *Course Director*. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Keystone Resort, Keystone, CO & Aurora, CO; March 28-31, 2003.
62. Global Symposium on Intervertebral Disc Replacement and Non-Fusion Technology. Sponsored by Medical Education Resources. Phoenician Resort, Scottsdale, AZ; May 1-3, 2003.
63. 2003-2004 INFORMED Florida Physician Update: HIV/AIDS, Domestic Violence and Medical Enors. Self study sponsored by INFORMED, Jacksonville, FL. August 25, 2003.
64. Licensure Module End-of-Life Care, Vol. 2 No. 3. Self Study. Sponsored by the University of Florida College of Medicine and the Office of Continuing Medical Education in cooperation with Oakstone Medical Publishing; September 3, 2003.
65. Total Disc Replacement Pre-Course to the 18th Annual Meeting of the North American Spine Society. San Diego, CA; October 21, 2003.
66. Pre-Congress Workshop and Live Surgery. Fourth Global Congress of The American Academy of Minimally Invasive Spinal Medicine and Surgery. Sponsored by the California Spine Institute. Thousand Oaks, CA; November 19, 2003.
67. International 22nd Course for Percutaneous Endoscopic Spine Surgery and Complementary Techniques. Sponsored by the International Society for Minimal Intervention in Spinal Surgery (ISMISS) and Societe Internationale de Chirurgie Orthopedique Traumatologie (SICOT). Zollikerberg Hospital, Zurich, Switzerland; January 29, 2004.
68. Minimally Invasive Spine Update 2004. *Course Director*. Sponsored by the American College of Physicians & Surgeons and Continuing Education, Inc. The Canyons Resort, Park City, UT; March 26-28, 2004.
69. #651 Alcohol, Alcohol Abuse and Alcohol Dependence. Online self directed course. Sponsored by CME Resource, Sacramento, CA; March 30, 2004.
70. #9483 HIV/AIDS: Epidemic Update for Florida. Online self directed course. Sponsored by CME Resource, Sacramento, CA; March 30, 2004.
71. #794 Florida Domestic Violence Requirement. Online self directed course. Sponsored by CME Resource, Sacramento, CA; March 30, 2004.
72. #124 Medical Enor Prevention and Root Cause Analysis. Online self directed course. Sponsored by CME Resource, Sacranlento, CA; March 30, 2004.

73. #9420 Vaccinia: The Vaccine That Protects Against Smallpox. Online self directed course. Sponsored by CME Resource, Sacramento, CA; March 30, 2004.
74. Back Pain 2004- Diagnosis & Treatment. Sponsored by Jupiter Medical Center. Jupiter Beach Resort, Jupiter, FL; April3, 2004.
75. NASS Spring Break 2004 Innovations in Spine Care. Sponsored by the North American Spine Society. Boca Raton Resort & Club, Boca Raton, FL; April23, 2004.
76. Minimally Invasive Spine Update Cervical2004. *Course Director*. Sponsored by the American College of Physicians & Surgeons and Continuing Education, Inc. Lake Worth Medical Center, Lake Worth, FL and Holland America's *Westerdam*, Port Everglades, FL; December 2-5, 2004.
77. Knee Osteoarthritis: Current Concepts in Nonoperative Management. Self directed course. Sponsored by Slack Incorporated, Thorofare, NJ; February 5, 2005.
78. NASS Spring Break: Back Into Motion. Sponsored by the North American Spine Society. Sheraton Bal Harbor Beach Resort, Bal Harbor, FL; April6-9, 2005.
79. Legal Medicine CME-2004. Self directed course. Sponsored by The Armed Forces Institute of Pathology; May 5, 2005.
80. Charite Artificial Disc Comprehensive Training Program. Sponsored by DePuy Spine. The Center for Spine Arthroplasty at the Endo-Surgery Institute, Cincinnati, OH; September 8, 2005.
81. Pri-Med in Practice Summer 2005: International travel and CNS infections. Self directed course. Sponsored by Pri-Med; September 26, 2005.
82. Domestic Violence. Self directed course. Sponsored by the Florida Medical Association's Online CME Program; November 16, 2005.
83. Quality Assurance/Risk Management/Medical Ethics in Legal Medicine 2005. Self directed course. Sponsored by The Armed Forces Institute of Pathology and the American Registry of Pathology; December 6, 2005.
84. MISU 2005-AAMISMS 10'h Course: Innovations and Advances in Disc Surgery. *Course Co-Director*. Sponsored by Continuing Education, Inc. and the American College of Physicians and Surgeons. The Gables Surgery Center, Coral Gables, FL and Royal Caribbean's *Majesty of The Seas*, Miami, FL to Nassau, The Bahamas; December 9-12, 2005.
85. 2005- 2006 InforMed Physician Update HIV/AIDS. Self directed course. Sponsored by InforMed. Jacksonville, FL; December 12, 2005.

86. 2005 - 2006 Infor Med Physician Update Domestic Violence. Self directed course. Sponsored by InforMed. Jacksonville, FL; December 12, 2005.
87. 2005 - 2006 InforMed Physician Update Medical Errors. Self directed course. Sponsored by InforMed. Jacksonville, FL; December 12, 2005.
88. X Stop IPD Surgeon Training. Doubletree Hotel Dallas-Campbell Centre, Dallas, TX; February 11, 2006.
89. AAMISMS 14th Course for Innovations and Advances in Endoscopic Minimally Invasive Spine Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine & Surgery. California Spine Institute, Thousands Oaks, CA; February 16, 2006.
90. Successfully completed the lecture and practical bioskills workshop required for the use of OptiMesh in Biologic Vertebral Augmentation Procedures. Sponsored by Spineology. Hughston Clinic, Columbus, GA; February 18, 2006.
91. Cadaver Training Session- XLIF, SpheRx DBR and NeuroVision. Eric Thomas, MD, South Florida Spine Center. Ft. Lauderdale, FL; May 13, 2006.
92. MISU 2006- MISS in the Sacred Valley. *Course Co-Director*. Sponsored by the American College of Physicians and Surgeons. Cusco, Peru; June 15-18, 2006.
93. #9727 Pain Management, Palliative Care and Treatment of the Terminally Ill. Online self directed course. Sponsored by CME Resource, Sacramento, CA; October 15, 2006.
94. #4611 Alzheimer's Diseases: A Review for Physicians. Online self directed course. Sponsored by CME Resource, Sacramento, CA; October 15, 2006.
95. Herbal Medicine may be Effective for Low Back Pain. Online self directed course. Sponsored by Medscape, New York, NY; February 3, 2007.
96. AAMISMS/MISU China 2007. *Course Director*. Sponsored by the American Academy of Minimally Invasive Spinal Medicine & Surgery and the American College of Physicians and Surgeons. Los Angeles, California, Shanghai and Beijing, China; March 30-April 7, 2007.
97. Pain Management with Opioids: Enhancing Communication for Better Outcomes. Online directed course. Sponsored by The University of Florida College of Medicine and PVI, PeerView Institute for Medical Education, New York, NY; August 29, 2007.
98. Acupuncture in the Treatment of Low Back Pain. Sponsored by Pri-Med Institute; October 3, 2007.
99. Cervical Arthroplasty Core Education Course Prestige® Cervical Disc. Sponsored by Medtronic; December 8, 2007.

100. ROUNDTABLES IN SPINE SURGERY Recent Advances in Cervical Arthroplasty. Sponsored by Cine-Med®; May 5, 2008.
101. That's How Eye See It: The Biology and Psychology of Visual Perception. Sponsored by Alpert Medical School, Brown University, Providence, RI; May 24, 2008.
102. US Spine Facet Fixation System™ educational program. In office, one-on-one training, Lake Worth, FL. Sponsored by US Spine, Boca Raton, FL; July 14, 2008.
103. #9134 Medical Error Prevention and Root Cause Analysis. Online self directed course. Sponsored by CME Resource, Sacramento, CA; August 23, 2008.
104. TruFUSE Surgical Training. Sponsored by minSURG Biomechanical Innovations; September 10, 2008.
105. Electromyography and Neuromuscular Medicine. Sponsored by Harvard Medical School Department of Continuing Education. Boston, MA; November 10-13, 2008.
106. Advanced Cervical Solutions with ProDisc-C Training Program. Sponsored by Synthes Spine; January 25, 2009.
107. Domestic Violence. Online self directed course. Sponsored by the Florida Medical Association, Tallahassee, FL; February 26, 2009.
108. Implantable Pain Therapies- Skills Workshp. Sponsored by Medtronic. Dinner and Presentation (Pearls of Neurostimulation), Morton's Restaurant, West Palm Beach, FL; September 25, 2009 and Cadaver Skills Lab, Lake Worth Surgical Center, Lake Worth, FL; September 26, 2009.
109. LASE Endoscopic Discectomy Training Cadaver Workshop. Sponsored by Clarus Medical, LLC. Merrill W. Reuter, M.D., Ph.D., Consultant Faculty and Gordon Zuemdorfer, M.D., Proctor/Instructor. Lake Worth Surgical Center, Lake Worth, FL; October 3, 2009.
110. #9182 Opiate Abuse and Dependence. Online self directed course. Sponsored by CME Resource, Sacramento, CA; October 2009.
111. #9134 Medical Error Prevention and Root Cause Analysis. Online self directed course. Sponsored by CME Resource, Sacramento, CA; October 2009.
112. #9787 Domestic Violence: The Florida Requirement. Online self directed course. Sponsored by CME Resource, Sacramento, CA; October 2009.
113. #4090 Acute Coronary Syndrome. Online self directed course. Sponsored by CME Resource, Sacramento, CA; October 2009.

114. Transforaminal Endoscopic Spine Workshop which instructed the use of the maxMorespine® System for lumbar fragmenectomy and decompression techniques. The workshop included didactic and cadaveric hands-on instruction. Sponsored by Spine Now, LLC. Minimally Invasive Learning Center, Saint Peter's University Hospital, New Brunswick, NJ; October 17, 2009.
115. International Training Course for Full-endoscopic Operations of the Spine Symposium with Cadaver Workshop. Sponsored by the Department of Spine Surgery and Pain Therapy, Center for Orthopaedics and Traumatology, St.-Anna Hospital Heme, Germany, and Richard Wolf Medical Instruments, Vernon Hills, IL. North American Spine Society Spine Education & Resource Center, Burr Ridge, IL; November 6-7,2009.
116. #9441 Influenza: A Comprehensive Review. Online self directed course. Sponsored by CME Resource, Sacramento, CA; November 13,2009.
117. Orthopaedic Knowledge Update 10 Home Study Program. Scored and recorded 2011 Orthopaedic Self-Assessment Examination. American Academy of Orthopaedic Surgeons, Rosemont, Illinois: March 2, 2012.
118. #9133 Medical Error Prevention and Root Cause Analysis. Online self directed course. Sponsored by CME Resource, Sacramento, CA; June 24, 2012.
119. Orlando Health Physician E-Learning Courseware. Orlando Regional Medical Center, Orlando, FL; March 7, 2013.
120. Orthopaedic Knowledge Update 11 Home Study Program. Scored and recorded 2014 Orthopaedic Self-Assessment Examination. American Academy of Orthopaedic Surgeons, Rosemont, Illinois: March 3, 2015.
121. Prevention of Medical Errors 2015. Online course. Sponsored by Florida Medical Association, Tallahassee, FL; November 18, 2015.
122. National Surgeon Training. DTRAX. Providence Medical Technology, Walnut Creek, CA. Marriott Stanton South Beach, Miami, FL: April 1 & 2, 2016.
123. Mobi-C Surgeon Training Course. LDR USA, Austin, TX. SpineOrthopaedics, Lake Worth, FL: June 28, 2016.
124. #97921 Domestic Violence: The Florida Requirement. Online course. Sponsored by NetCE Continuing Education, Sacramento, CA; September 7, 2016.

VISITING FELLOWSHIPS

1. Visiting Fellowship in Minimally Invasive Spine Surgery at The California Center for Minimally Invasive Spine Surgery. John C. Chiu, MD, Director. Thousand Oaks, CA; February 17, 2000.

SURGICAL OBSERVATIONS

1. Anterior lumbar BERG decompression and fusion with Synthes TIS anterior instrumentation. Performed by Stephen Robbins, M.D. and Richard Cattey, M.D., Milwaukee, WI. Columbia Hospital, Milwaukee, WI; July 14, 1997.
2. Outpatient Surgical treatment and evaluation. Bonati Institute, Hudson, FL; June 18, 1998.
3. Minimally Invasive Spine Surgery. Thomas Hoogland, M.D., Director Back Unit. Alpha Klinik, Munich, Germany; March 6 & 8, 2001. Lumbar and Cervical.
4. Lumbar Disc Replacement with Link Prosthesis Surgery. Willem Zeegers, M.D. Alpha Klinik, Munich, Germany; March 9, 2001.
5. Minimally Invasive Spine Surgery. John C. Chiu, M.D., Director California Spine Institute, California Center for Minimally Spinal Surgery, Newbury Park, CA; August 26, 2002.
6. Minimally Invasive Spine Surgery. Anthony T. Yeung, M.D., Director Squaw Peak Surgical Facility, Phoenix, AZ; December 6, 2002.
7. Lumbar Reconstructive Surgery: Open and Percutaneous Lumbar Procedures. Reuven Gepstein, M.D., Herzliya Medical Center and Meir Medical Center, Herzliya and Kfar Saba, Israel; December 26, 2004.
8. Lumbar Disc Replacement with Flexicore and Charite. Charles S. Theofilis, M.D., Palm Beach Gardens Medical Center, Palm Beach Gardens, FL; January 10, 2005.
9. Endoscopic Spinal Stenosis Surgery. Gabriele Jasper, M.D., Center for Pain Control, Brick, NJ; September 15, 2009.

BIBLIOGRAPHY

1. **Reuter, M.W.** Evaluation of Bioresorbable Nerve Guides. Orthopaedic Research Society. San Francisco, CA; January 1987. **Poster**
2. **Reuter, M.W.** Evaluation of Bioresorbable Nerve Guides. The 54th Annual American Academy of Orthopaedic Surgeons. San Francisco, CA; January 1987. **Poster**
3. **Reuter, M.W.** Vertebral Osteomyelitis: A Retrospective Evaluation of 51 Patients. Southern Orthopaedic Association Residents and Fellow Meeting. New Orleans, LA; November 1988. **Poster**

4. Calhoun, J.H., Allen, B., Mader, J.T., **Reuter, M.W.** Pyogenic and Tuberculous Vertebral Osteomyelitis. The 56th Annual American Academy of Orthopaedic Surgeons. Las Vegas, NV; February, 1989. **Poster**
5. Calhoun, J.H., **Reuter, M.W.**, Ballantyne, G., Monitz, B., Mader, J.T. Vertebral Osteomyelitis-A Retrospective Evaluation of 65 Patients. The 59th Annual American Academy of Orthopaedic Surgeons. Washington, D.C.; February 20, 1992. **Poster**
6. **Reuter, M.W.**, Calhoun, J.H. Intra-articular Fractures of the Calcaneus-The UTMB Experience. The 22nd Annual Winter Meeting of the American Orthopaedic Foot and Ankle Society. Washington, D.C.; February 23, 1992. **Talk**
7. **Reuter, M.W.**, Lowery, R.B.W., Peare, G., Anger, D.M., Calhoun, J.H. Intra-articular Fractures of the Calcaneus-The UTMB Experience. The 59th Annual American Academy of Orthopaedic Surgeons. Washington, D.C.; February 20, 1992. **Poster**
8. **Reuter, M.W.**, Rehtine, G.R., Lowery, G.L., Sutterlin, C.E., III. Advances in Fixation of the Rheumatoid Cervical Spine. The 46th Annual Meeting of the Florida Orthopaedic Society. Key Biscayne, FL; May 16, 1992. **Talk**
9. **Reuter, M.W.**, Brodsky, J.W., Ashman, R.B., Kourosh, S. Effects of Heat and Compression on Thermal Molded Shoe Insert Materials. The 8th Annual Summer Meeting of the American Orthopaedic Foot and Ankle Society. Napa, CA; July 15-19, 1992. **Talk**
10. Lowery, G.L., **Reuter, M.W.**, Sutterlin, C.E. Anterior Cervical Interbody Arthrodesis With Plate Stabilization for Degenerative Disc Disease. Presented at the Cervical Spine Research Society Annual Meeting. Palm Desert, CA; December 4, 1992. **Talk**
11. **Reuter, M.W.** Arthritis of the Forefoot. Regional Review Course. American Orthopaedic Foot & Ankle Society. Fall 1994. **Talk**
12. **Reuter, M.W.** Neck Pain. Wellington Regional Medical Center *Health Scene*. March 1995. **Publication**
13. **Reuter, M.W.**, Meckstroth, Clyde, S. Laparoscopic Discectomy 'Could Change the Way Herniated Discs are Treated.' United States Surgical Corporation *The LAPAROSCOPY REPORT*. September 1995. **Publication**
14. **Reuter, M.W.** Spine Surgery on Cutting Edge at WRMC. Wellington Regional Medical Center *Health Scene*. Summer 1996. **Publication**
15. **Reuter, M.W.**, Meckstroth, C.S., Anger, D.M. Laparoscopic Discectomy. The 50th Annual Meeting of the Florida Orthopaedic Society (50th Anniversary Meeting). Hyatt Grand Cypress-Orlando, Orlando, FL; June 6-8, 1997. **Talk**

16. **Reuter, M.W.,** Meckstroth, C.S., Anger, D.M. Laparoscopic Discectomy. The 10th Annual International Intradiscal Therapy Society, Inc. The Ritz Carlton Hotel, Naples, FL; May 28-June 1, 1997. **Listed by Title**
17. **Reuter, M.W.,** Meckstroth, C.S., Anger, D.M. Laparoscopic Discectomy. The 91st Annual Scientific Assembly of the Southern Medical Association. Charlotte Convention Center, Charlotte, NC; November 7, 1997. **Talk**
18. **Reuter, M.W.,** Meckstroth, C.S., Anger, D.M. Laparoscopic Discectomy. The 91st Annual Scientific Assembly of the Southern Medical Association. Charlotte Convention Center, Charlotte, NC; November 6-9, 1997. **Poster** (Accepted but not presented)
19. **Reuter, M.W.,** Anger, D.M. Laparoscopic Discectomy. The International College of Surgeons-U.S. Section 60th Annual Surgical Update and The American Academy of Neurological and Orthopaedic Surgeons Annual Meeting (Combined Meeting). Hyatt Regency Maui, Maui, HI; June 20, 1998. **Talk**
20. **Reuter, M.W.,** Metzger, M. L., Anger, D.M. Running Injuries. 1999 Florida Podiatric Medical Association Science and Management Symposium. Wyndham Palace Resort & Spa, Lake Buena Vista, FL; January 14, 1999. **Talk**
21. **Reuter, M.W.,** Anger, D.M. Laparoscopic Discectomy. Southern Orthopaedic Association 16th Annual Meeting. Ritz-Carlton, Amelia Island, FL; July 17, 1999. **Talk**
22. **Reuter, M.W.,** Anger, D.M. Laparoscopic Discectomy. Journal of the Southern Orthopaedic Association 8(2):139; Summer 1999. **Publication**
23. **Reuter, M.W.,** Anger, D.M. Cervical Discectomy. PeriAnesthesia Nursing: A Twentieth Century Update. Palm Beach Association of PeriAnesthesia Nurses. Good Samaritan Hospital, West Palm Beach, FL; September 25, 1999. **Talk**
24. **Reuter, M.W.,** Anger, D.M. Cervical Discectomy. Minimally-Invasive Spine Update. American College of Physicians & Surgeons. *Disney Magic*, Port Canaveral, Florida; November 5-8, 1999. **Talk**
25. Chiu, J.C, **Reuter, M.W,** Anger, D.M. Cervical Discectomy. XXXII World Congress of the International College of Surgeons. Singapore; October 12, 2000. **Talk**
26. Savitz, M.H., Chiu, J.C., Yeung, A.T., et al. Multicenter Study of Endoscopic Lumbar Discectomy. First World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Alexis Park Resort, Las Vegas, Nevada; December 7, 2000. **Talk**
27. **Reuter, M.W.,** Chiu, J.C., Anger, D.M. Experience with Percutaneous Cervical Endoscopic Discectomy. First World Congress of the American Academy of Minimally

Invasive Spinal Medicine and Surgery. Alexis Park Resort, Las Vegas, Nevada; December 8, 2000. **Talk**

28. **Reuter, M.W.**, Anger, D.M. Laparoscopic Discectomy. First World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Alexis Park Resort, Las Vegas, Nevada; December 8, 2000. **Talk**

29. Chiu, J.C., Clifford, T.J., **Reuter, M.W.** Cervical Endoscopic Discectomy with Laser Thermodyskoplasty. **THE PRACTICE OF MINIMALLY INVASIVE SPINAL TECHNIQUE**. M. H. Savitz, J. C. Chiu, A. T. Yeung (eds.). Pp. 141-48. AAMISMS Education, LLC, Richmond, VA; 2000. **Book Chapter**

30. **Reuter, M.W.**, Anger D.M. Laparoscopic Discectomy. **THE PRACTICE OF MINIMALLY INVASIVE SPINAL TECHNIQUE**. M. H. Savitz, J. C. Chiu, A. T. Yeung (eds.). Pp. 193-198. AAMISMS Education, LLC, Richmond, VA; 2000. **Book Chapter**

31. **Reuter, M.W.**, Anger, D.M. Cervical Discectomy. Minimally-Invasive Spine Update 2001. American College of Physicians & Surgeons. Copper Mountain Resort, Copper Mountain, CO; February 19, 2001. **Talk**

32. **Reuter, M.W.**, Anger, D. M. Post-discogram MRI Vs. CT. Journal of The American Academy of Minimally Invasive Spinal Medicine and Surgery. **(In Progress Journal Article)**

33. **Reuter, M.W.**, Mikulinsky A., Anger, D.M. Cervical Discectomy with the LASE System. Journal of Minimally Invasive Spinal Technique; Volume **1**; pp. 24-25, 2001. **Journal Article**

34. **Reuter, M.W.**, Anger, D.M. Laparoscopic Discectomy. Second World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Monte Carlo Resort & Casino, Las Vegas, Nevada; December 8, 2001. **Talk**

35. **Reuter, M.W.**, Anger, D.M. Experience with Percutaneous Laser Cervical Endoscopic Discectomy. Second World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Monte Carlo Resort & Casino, Las Vegas, Nevada; December 8, 2001. **Talk**

36. **Reuter, M.W.**, Anger, D.M. Cervical Discectomy. Minimally-Invasive Spine Update 2002. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Royal Caribbean's *Majesty of The Seas*, Miami, FL- Nassau, The Bahamas; February 15-18, 2002. **Talk**

37. **Reuter, M.W.**, Anger, D.M. Laser assisted spinal endoscopy for cervical disc herniation. Journal of Minimally Invasive Spinal Technique. Volume 2; 2002. **Journal Article**

38. **Reuter, M.W.,** Anger, D.M. Minimally Invasive Surgical Treatment for Discogenic Injury. Annual Meeting of the Florida Academy of Pain Medicine. Sponsored by the Florida Academy of Pain Medicine. Rosen Plaza Hotel, Orlando, FL; May 31, 2002. **Talk**
39. Engroff, M.L., **Reuter, M.W.** Nonfusion vs. fusion. Approaches to cervical discectomy: A critical review of the literature. *Advance for Physician Assistants*. Volume 10(9); pp. 24-31, 2002. **Journal Article**
40. **Reuter, M.W.,** Anger D.M. Evolution of Percutaneous Discectomy. **LOW BACK PAIN: DIAGNOSIS AND TREATMENT**. L. Manchikanti, C. W. Slipman, B. Fellows (eds.). Pp. 421-428. American Society of Interventional Pain Physicians, Paducah, KY; 2002. **Book Chapter**
41. **Reuter, M.W.,** Anger, D.M. Percutaneous Discectomy. Fourth Annual Interventional Pain Medicine/Practice Symposium. Sponsored by the American Society of Interventional Pain Physicians. Hilton Alexandria Mark Center, Alexandria, VA; September 22, 2002. **Talk**
42. **Reuter, M.W.,** Anger, D.M. Cervical Discectomy. Minimally-Invasive Spine Update 2002-Cervical. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Celebrity Cruise Line's *Millennium*, Fort Lauderdale, FL; October 15-18, 2002. **Talk**
43. **Reuter, M.W.,** Anger, D.M. Endoscopic Cervical Discectomy with LASE. Third World Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Pointe Hilton Squaw Peak Resort, Phoenix, AZ; December 10, 2002. **Talk**
44. **Reuter, M.W.,** Anger, D.M. Introduction to Minimally Invasive Endoscopic Spine Surgery. Clinical Education Services. Disney's Coronado Springs Resort, Lake Buena Vista, FL; February 2, 2003. **Talk**
45. **Reuter, M.W.,** Anger, D.M. Cervical Discectomy. Minimally-Invasive Spine Update 2003. Sponsored by the American College of Physicians & Surgeons and Medical Educational Collaborative. Keystone Resmt, Keystone, CO; March 28-31,2003. **Talk**
46. **Reuter, M.W.,** Anger, D.M. Anterior Cervical Discectomy. IITS 16'h Annual Meeting. Sponsored by the International Intradiscal Therapy Society. Embassy Suites Lakefront, Chicago, IL; April2-5, 2003. **Talk**
47. **Reuter, M.W.,** Anger, D.M. Cervical Discectomy. World Spine II: Second Interdisciplinary Congress on Spine Care. Hyatt Regency Hotel, Chicago, IL; August 10-13, 2003. **Poster**
48. **Reuter, M.W.** Evolution of Cervical Disc Surgery. Doctoral Thesis. American International University in association with the Royal College of Physicians and Surgeons of the United States. Presented at the Fourth Global Congress of the American Academy of Minimally

Invasive Spinal Medicine and Surgery. Ronald Reagan Presidential Library and Museum, Simi Valley, CA; November 22, 2003. **Doctoral Thesis**

49. **Reuter, M.W.,** Alvarado, J., Anger, D.M. Evolution of Cervical Disc Surgery, Part 1 & II. Fourth Global Congress of the American Academy of Minimally Invasive Spinal Medicine and Surgery. Hyatt Westlake Plaza Hotel, Thousand Oaks, CA; November 21, 2003. **Talk**

50. **Reuter, M.W.,** Alvarado, J., Anger, D.M. Evolution of Cervical Disc Surgery. International 22nd Course for Percutaneous Endoscopic Spine Surgery and Complementary Techniques. Sponsored by the International Society for Minimal Intervention in Spinal Surgery (ISMIS) and Societe Internationale de Chirurgie Orthopedique Traumatologie (SICOT). Zollikerberg Hospital, Zurich, Switzerland; January 29, 2004. **Talk**

51. **Reuter, M.W.,** Alvarado, J., Anger, D.M. Evolution of Cervical Disc Surgery. Minimally-Invasive Spine Update 2004. Sponsored by the American College of Physicians and Surgeons and Continuing Education, Inc. The Canyons Resort, Park City, UT; March 27, 2004. **Talk**

52. **Reuter, M.W.,** Alvarado, J., Anger, D.M. The Evolution of Cervical Disc Surgery in the US. The 11th Congress of the International Musculoskeletal Laser Society (IMLAS). Sponsored by the Korean Musculoskeletal Laser and Radiofrequency Society. Coex Inter-Continental Hotel, Seoul, Korea; May 12-15, 2004. **Talk**

53. **Reuter, M.W.,** Anger, D.M. Minimally Invasive Outpatient Spine Surgery in an ASC Setting. Florida Orthopaedic Society 2004 Annual Scientific Meeting. Sponsored by the Florida Orthopaedic Society and the American Academy of Orthopaedic Surgeons. Ocean Reef Club, Key Largo, FL; May 21, 2004. **Talk**

54. **Reuter, M.W.,** Anger, D.M. Endoscopic Cervical Discectomy. Minimally Invasive Spine Update Cervical2004. Sponsored by the American College of Physicians & Surgeons and Continuing Education, Inc. Holland America's *Westerdam*, Port Everglades, FL; December 3, 2004. **Talk**

55. **Reuter, M.W.,** Anger, D.M. Cervical Rehabilitation. Minimally Invasive Spine Update Cervical2004. Sponsored by the American College of Physicians & Surgeons and Continuing Education, Inc. Holland America's *Westerdam*, Port Everglades, FL; December 3, 2004. **Talk**

56. **Reuter, M.W.** Anterior Cervical Discectomy. MISU 2005-AAMISMS 10th Course: Innovations and Advances in Disc Surgery. Course Co-Director. Sponsored by Continuing Education, Inc. and the American College of Physicians and Surgeons. The Gables Surgery Center, Coral Gables, FL and Royal Caribbean's *Majesty of The Seas*, Miami, FL to Nassau, The Bahamas; December 9-12, 2005. **Talk**

57. **Reuter, M.W.** Anterior Cervical Discectomy. Fifth Global Congress of Minimally Invasive Spinal Specialists. Sponsored by The Royal College of Physicians & Surgeons of The United States. Hilton Hasbrouck Heights Hotel, Hasbrouck Heights, NJ; December 15-18, 2005. **Talk**
58. **Reuter, M.W.** Cervical LASE. Fifth Global Congress of Minimally Invasive Spinal Specialists. Sponsored by The Royal College of Physicians & Surgeons of The United States.. Hilton Hasbrouck Heights Hotel, Hasbrouck Heights, NJ; December 15-18, 2005. **Talk**
59. **The Practice of Minimally Invasive Spinal Technique.** 2005 Edition. Savitz, M.H.; Chiu, J.C.; Rauschnig, W.; Yeung, A. (eds-in-chief); Alli, B., **Reuter, M.W.**; Lee S.H.; Kamson, S.; Mathews, R.S (eds). AAMISS PRESS, New York, 2005. **Book Editor**
60. **Reuter, M.W.,** Alvarado, J., Anger, D.M. Cervical Nucleoplasty. **The Practice of Minimally Invasive Spinal Technique.** 2005 Edition. Savitz, M.H.; Chiu, J.C.; Rauschnig, W.; Yeung, A. (eds-in-chief); Alli, B., **Reuter, M.W.**; Lee S.H.; Kamson, S.; Mathews, R.S (eds). Pp. 368-373. AAMISS PRESS, New York, 2005. **Chapter**
61. **Reuter, M.W.** Cervical Laser Assisted Spinal Endoscopy. **The Practice of Minimally Invasive Spinal Technique.** 2005 Edition. Savitz, M.H.; Chiu, J.C.; Rauschnig, W.; Yeung, A. (eds-in-chief); Alli, B., **Reuter, M.W.**; Lee S.H.; Kamson, S.; Mathews, R.S (eds). Pp. 428-432. AAMISS PRESS, New York, 2005. **Chapter**
62. Savitz, M.H., Alli, B., Chiu, J.C., Yeung, A.T., Lee, S.H., **Reuter, M.W.** Minimally Invasive Spinal Care Hall of Fame. **The Practice of Minimally Invasive Spinal Technique.** 2005 Edition. Savitz, M.H.; Chiu, J.C.; Rauschnig, W.; Yeung, A. (eds-in-chief); Alli, B., **Reuter, M.W.**; Lee S.H.; Kamson, S.; Mathews, R.S (eds). Pp. 576-584. AAMISS PRESS, New York, 2005. **Chapter**
63. **Reuter, M.W.** Anterior Cervical Discectomy. AAMISMS 14th Course for Innovations and Advances in Endoscopic Minimally Invasive Spine Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine & Surgery. California Spine Institute, Thousands Oaks, CA; February 16, 2006. **Talk**
64. **Reuter, M.W.** Future of MISS- Disc Replacement. AAMISMS 14th Course for Innovations and Advances in Endoscopic Minimally Invasive Spine Surgery. Sponsored by The American Academy of Minimally Invasive Spinal Medicine & Surgery. California Spine Institute, Thousands Oaks, CA; February 16,2006. **Talk**
65. **Reuter, M.W.,** Furiere, F.P. Anterior Endoscopic Cervical Discectomy. **Percutaneous Techniques to the SpineSpinal Surgical Techniques.** Kim, D.H.; Kim, K.H.; Kim, Y.C. (eds). Elsevier Inc. Health Sciences, Philadelphia, Pennsylvania, 2006. **Chapter (2010 publication date)**

66. **Reuter, M.W.** Anterior Cervical Discectomy. MISU 2006 -MISS in the Sacred Valley. Sponsored by The American College of Physicians and Surgeons. Cusco, Peru, June 2006. **Talk**
67. **Reuter, M.W.** Cervical Nucleoplasty. MISU 2006- MISS in the Sacred Valley. Sponsored by The American College of Physicians and Surgeons. Cusco, Peru; June, 2006. **Talk**
68. **Reuter, M.W.** Thoracic Thermodyscoplasty. MISU 2006- MISS in the Sacred Valley. Sponsored by The American College of Physicians and Surgeons. Cusco, Peru; June, 2006. **Talk**
69. **Reuter, M.W.** Cervical Endoscopic Discectomy. AAMISMS/MISU China 2007. Sponsored by the American Academy of Minimally Invasive Spinal Medicine & Surgery and the American College of Physicians and Surgeons. Los Angeles, California, Shanghai and Beijing, China; March 30-April 7, 2007.
70. **Reuter, M.W.** Cervical Nucleoplasty. AAMISMS/MISU China 2007. Sponsored by the American Academy of Minimally Invasive Spinal Medicine & Surgery and the American College of Physicians and Surgeons. Los Angeles, California, Shanghai and Beijing, China; March 30-April 7, 2007. **Talk**
71. **Reuter, M.W.** Nucleus Replacements. AAMISMS/MISU China 2007. Sponsored by the American Academy of Minimally Invasive Spinal Medicine & Surgery and the American College of Physicians and Surgeons. Los Angeles, California, Shanghai and Beijing, China; March 30-April 7, 2007. **Talk**
72. **Reuter, M.W.** Lumbar Nucleoplasty. AAMISMS/MISU China 2007. Sponsored by the American Academy of Minimally Invasive Spinal Medicine & Surgery and the American College of Physicians and Surgeons. Los Angeles, California, Shanghai and Beijing, China; March 30-April 7, 2007. **Talk**
73. **Reuter, M.W.** Cervical MISS Techniques. Sixth Annual Global Scientific Convention. Sponsored by the American Academy of Minimally Invasive Spinal Specialists in cooperation with the Royal College of Physicians & Surgeons (US) and the American International University. Los Vegas, NV; April 15, 2007. **Talk**
74. **Reuter, M.W.** Anterior Cervical Discectomy. Sixth Annual Global Scientific Convention. Sponsored by the American Academy of Minimally Invasive Spinal Specialists in cooperation with the Royal College of Physicians & Surgeons (US) and the American International University. Los Vegas, NV; April 15, 2007. **Talk**
75. **Reuter, M.W.** Cervical Endoscopic Discectomy. The Internet Journal of Minimally Invasive Spinal Technology (IJMIST). Vol.1 (1); 2007. **Abstract**

76. **Reuter, M.W.** Minimally Invasive Spinal Surgery. 2007 FAPA Summer Symposium. Sponsored by the Florida Academy of Physician Assistants. Loews Hotel, Miami Beach, FL; August 10, 2007. **Talk**
77. Chiu, J., **Reuter, M.W.** Anterior Endoscopic Assisted Cervical Microdecompressive Discectomy and Foraminoplasty. The Internet Journal of Minimally Invasive Spinal Technology (IJMIST). Vol.1(2); 2007. **Journal Article**
78. **Reuter, M.W.,** Anger D.M. China: Medical Travelogue: AAMISMS/MISU China 2007. The Internet Journal of Minimally Invasive Spinal Technology (IJMIST). Vol. 1(2); 2007. **Journal Article**
79. **Reuter, M.W.** Platelet Gel as Adjunct to Endoscopic Discectomy. Sociedad Mexicana de Minima Invasion de Columna (SOMMIC). Camino Real Guanajuato Hotel, Guanajuato City, Mexico; November 30, 2007. **Talk**
80. **Reuter, M.W.** Anterior Cervical Discectomy. Sociedad Mexicana de Minima Invasion de Columna (SOMMIC). Camino Real Guanajuato Hotel, Guanajuato City, Mexico; November 30, 2007. **Talk**
81. **Reuter, M.W.** Cervical Disc Replacement. Sociedad Mexicana de Minima Invasion de Columna (SOMMIC). Camino Real Guanajuato Hotel, Guanajuato City, Mexico; November 30, 2007. **Talk**
82. **Reuter, M.W.** Nucleoplasty. Sociedad Mexicana de Minima Invasion de Columna (SOMMIC). Camino Real Guanajuato Hotel, Guanajuato City, Mexico; November 30, 2007. **Talk**
83. **Reuter, M.W.,** Anger, D.M. Anterior Cervical Discectomy with and without Platelet Gel. The First World Congress of Minimally Invasive Spine Surgery & Techniques (WCMISSST). Hilton Hawaiian Village Resort & Spa, Honolulu, HI; June 7, 2008. **Abstract (Page 194) & Presentation**
84. Cuellar, J.M., Golish, S.R., **Reuter, M.W.,** Cuellar, V.G., Angst, M.S., Carragee, E.J., Yeomans, D.C., Scuderi, G.J. Cytokine Evaluation in Individuals with Low Back Pain Using Discographic Lavage. Spine J. 2010 Mar;10(3):212-8. **Journal Article**
85. Scuderi, G.J., Golish, S. R., Cuellar, J., **Reuter, M.W.,** Carragee, E., Hanna, L.S. Presence of Novel Complex of Structural Proteins in Intervertebral discs by discography. Spine (submitted March 26, 2010).
86. Scuderi, G.J., Golish, S.R., Cuellar, J., **Reuter, M.W.,** Carragee, E., Hanna, L.S. Presence of a Novel Complex of Fibronectin and Aggrecan in Intervertebral Discs by Discography. Poster No. 371 at the American Academy of Orthopaedic Surgeons 2010 Annual Meeting. Morial Convention Center, New Orleans, LA; March 9-13, 2010. **Poster.**

87. **Reuter, M.W.** and Furieri, F. Anterior Endoscopic Cervical Discectomy. Minimally Invasive Percutaneous Spinal Techniques. Kim, D.H., Kim, K-H, Kim, Y-C (eds). Chapter 21, Pp. 287-300. Saunders/Elsevier, Philadelphia, PA. 2011. ISBN: 978-0-7020-2913-4. **Chapter.**
88. Scuderi, G., **Reuter, M.W.**, Golish, R., Hanna, L. Identification offibronectin aggrecan complex (FAC) associated with inflammatory cytokines in cervical radiculopathy resulting from herniated disc. Global Spine Congress 2011. Barcelona, Spain. March 24, 2011. **Abstract & Oral Presentation.**
89. Scuderi, G., **Reuter, M.W.**, Golish, R., Hanna, L. Identification offibronectin aggrecan complex (FAC) associated with inflammatory cytokines in cervical radiculopathy resulting from hemiated disc. SAS11 - 11th Annual Conference. The Intemational Society for the Advancement of Spine Surgery. Las Vegas, NV. April 28, 2011. **Abstract, Poster & Oral Presentation.**
90. Gajendran VK, **Reuter MW**, Golish SR, Hanna LS, Scuderi GJ. Is the fibronectin-aggrecan complex present in cervical disk disease? PMR. 2011 Nov;3(11):1030-4. **Journal Article**
91. Cuellar, J.M., Golish, S.R., Leroux, E.J., **Reuter, M.W.**, CatTagee, E.J., Hanna, L.S., Scuderi, G.J. Does a fibronectin and aggrecan complex play a role in painful vertebral disks?. PMR. 2013 Apr;5(4):297-302. **Journal Article**

COMMUNITY

Volunteer: Charity Hospital. New Orleans, LA; 1979-1980.
Citizen's SAYE-A-LIFE CPR Committee. Louisiana; 1980.
Director: Mardi Gras Coalition. New Orleans, LA; 1981.
Medical Services Coordinator: Mardi Gras Coalition. New Orleans, LA; 1982.
Founding Director: Tulane Emergency Medical Services. 1981-1982.
Disaster Volunteer: American Red Cross. 1982-1984.
Research Volunteer: Rhode Island Hospital. Providence, RI; 1983.
President: Harbor East Homeowners Association. Galveston, TX; 1987-1990.
Corporate Contributor: Reach for the Stars Program, benefitting Kravis Center Students and Teachers Art Resource Series. West Palm Beach, FL; February 22, 1996.
Member, Scientific Advisory Board: Nutrition Superstores.com, Inc. West Palm Beach, FL; September 8, 1999.
Volunteer: Palm Beach County Medical Society. Medical Reserve Corps, Palm Beach County, FL; 2008 -present.
Business Network International: BNI Power Partners of South Florida, Palm Beach County Chapter; May 2009-May 2010.

ATHLETIC

1. Member, USA Track & Field Association #6832586814; since 1997.
2. Completed the Walt Disney World Marathon, 5th Anniversary Marathon. Lake Buena Vista, FL; January 11, 1998. Marathonear #2934, completed in 5:19:6th place; 5:20.
3. Completed the Walt Disney World Marathon, 6th Annual Marathon. Lake Buena Vista, FL; January 10, 1999. Marathonear #8286, completed in 5:16.
4. Completed the Walt Disney World Marathon, 7th Annual Marathon. Lake Buena Vista, FL; January 9, 2000. Completed in 5 hours, 17 minutes.
5. Completed the Walt Disney World Marathon, 8th Annual Marathon. Lake Buena Vista, FL; January 7, 2001. Completed in 5 hours, 6 minutes.
6. Completed the Walt Disney World Half Marathon, ran for the Epilepsy Foundation of South Florida. Lake Buena Vista, FL; January 6, 2002. Completed in 2:58.
7. Completed the Walt Disney World Half Marathon, ran for Western Galilee Hospital, Nahariya, Israel. Lake Buena Vista, FL; January 11, 2003.
8. Completed the Walt Disney World Half Marathon, ran for Western Galilee Hospital, Nahariya, Israel. Lake Buena Vista, FL; January 9, 2004.
9. Completed the Walt Disney World Half Marathon. Lake Buena Vista, FL; January 7, 2006. Completed in 2 hours, 36 minutes.
10. Completed the Walt Disney World Half Marathon. Lake Buena Vista, FL; January 7, 2007. Completed in 2 hours, 55 minutes.
11. Completed the Walt Disney World Half Marathon. Walk/ran for Western Galilee Hospital, Nahariya, Israel. Lake Buena Vista, FL; January 12, 2013. Completed in 4 hours, 2 minutes.

UNIVERSITY

1. Member: Honor Board, Tulane University, Arts and Sciences. New Orleans, LA; 1978-1982.
2. Chairman of Appeals: Honor Board, Tulane University, Arts and Sciences. New Orleans, LA; 1979-1980.
3. Member: Beta Beta Beta, Tulane University. New Orleans, LA; 1980.
4. Member: Alpha Epsilon Delta, Tulane University. New Orleans, LA; 1980.
5. Member: Omicron Delta Kappa, Tulane University. New Orleans, LA; 1981.
6. Member: Conduct Committee, Tulane University. New Orleans, LA; 1980-1982.
7. Chairman: Honor Board, Tulane University, Arts and Sciences. New Orleans, LA; 1981-82.
8. President: Alpha Epsilon Delta, Tulane University. New Orleans, LA; 1981-1982.
9. Member: Student Affairs Committee of the Tulane University Senate. New Orleans, LA; 1981-1982.
10. Volunteer: Brown University Emergency Medical Services. Providence, RI; 1982-1983.
11. Member: American Medical Students Association (AMSA). 1982-1986.
12. Class of 1986 Representative: Brown University Medical School. Providence, RI; 1983-1984.
13. Student Board Member: Brown University Medical Association. Providence, RI; 1984-1986.

