

## Curriculum Vitae



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No Correspondence

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Sanford H. Davne, M.D.

April 18, 2014

**BIRTHDATE:** 12/25/1948

**EDUCATION:**

- 9/1966-5/1970 BA, Biology, LaSalle College, Philadelphia, PA
- 6/1970-6/1972 MS, Pharmacology, Hahnemann Medical College, Philadelphia, PA
- 1/1973-6/1974 Universidad Autonoma de Guadalajara, Mexico
- 9/1974-6/1976 M.D., Temple University School of Medicine, Philadelphia, PA

**POST-GRADUATE EDUCATION:**

- 6/1976-6/1977 General Surgery Resident, PGY-1  
Thomas Jefferson University Hospital, Philadelphia, PA
- 7/1977-6/1981 Orthopaedic Surgery Resident, PGY-2-5  
Thomas Jefferson University Hospital, Philadelphia, PA
- 7/1981-12/1981 Fellowship, Spinal Cord Injury Surgery, Northwestern  
Memorial Hospital, Northwestern University, Chicago, IL

**SUPPLEMENTAL SPECIAL EDUCATION COURSES**

- 5/1986 Plate Fixation of the Lumbar Spine, St. Vincent Charity Hospital,  
Cleveland, OH
- 5/1981 Advanced Trauma Life Support Providers Course  
Thomas Jefferson University Hospital, Philadelphia, PA
- 1/1984 Advanced Trauma Life Support Instructors Course  
Thomas Jefferson University Hospital, Philadelphia, PA
- 11/1994 Arthroscopic Microdiscectomy of the Lumbar Spine  
The Graduate Hospital, Philadelphia, PA

## APPOINTMENTS:

- 3/1980-7/1980 Associate Chief Resident, Department of Orthopaedic Surgery,  
Thomas Jefferson University Hospital, Philadelphia, PA
- 7/1980-10/1980 Chief Resident, Department of Orthopaedic Surgery  
Thomas Jefferson University Hospital, Philadelphia, PA
- 1/1982-6/2006 Instructor, Department of Orthopaedic Surgery, Jefferson  
Medical College, Thomas Jefferson University, Philadelphia, PA
- 4/2013- Department of Orthopaedic Surgery, Cooper University Hospital,  
Camden, NJ

## CERTIFICATION:

- 5/1974 National Board of Medical Examiners: Part I
- 5/1976 National Board of Medical Examiners: Part II
- 5/1977 National Board of Medical Examiners: Part III
- 7/1984 American Board of Orthopaedic Surgery

## LICENSURE:

- |              |                 |
|--------------|-----------------|
| Pennsylvania | MD 019408E      |
| New Jersey   | 25MA09195900    |
| DEA#         | BD 8024717 (PA) |
| DEA#         | FD3581508 (NJ)  |
| NJ CDS#      | D10124500       |

## HOSPITAL AFFILIATIONS:

- 1/1982-12/2000 Thomas Jefferson University Hospital, Philadelphia, PA, Attending Physician
- 1/1991-12/2000 Methodist Hospital, Philadelphia, PA, Attending Physician
- 1/1988-12/1999 Graduate Hospital, Philadelphia, PA, Attending Physician
- 4/2013- Cooper University Hospital, Camden, NJ, Attending Physician

## CLINICAL PRACTICE LOCATIONS:

- 1/1982-3/1983 Thomas Jefferson University Hospital, 111 S. 11<sup>th</sup> Street, Suite 8201, Philadelphia, PA.
- 3/1983-7/1985 1015 Chestnut Street, Suite 812, Philadelphia, PA
- 7/1985-12/1994 1015 Chestnut Street, Mezzanine, Philadelphia, PA
- 1/1995-8/1995 The Spine Center, 1911 Arch Street, Philadelphia, PA
- 8/1995-1/1996 2020 Old Lincoln Highway, Langhorne, PA
- 1/1996-6/1998 1911 Arch Street, Philadelphia, PA
- 6/1998-6/2002 No clinical practice
- 7/2002-present 100 N. Presidential Blvd., Bala Cynwyd, PA 19004
- 1/2003-1/2013 MRCP-Philadelphia, Plymouth Meeting, Broomall, Southampton
- 4/2013-present Three Cooper Plaza, Suite 408, Camden, New Jersey 08103

## TEACHING ACTIVITIES:

- 1/1992 - 6/1998 Medical student and resident teaching, Thomas Jefferson, University Hospital, Graduate Hospital, Methodist Hospital, Philadelphia, PA
- 6/1985 Instructor, Advanced Trauma Life Support Providers Course, Thomas Jefferson University, Philadelphia, PA
- 8/1985 Instructor, Advanced Trauma Life Support Instructors Course, Thomas Jefferson University, Philadelphia, PA
- 5/1988 Co-Director, Spinal Plate Workshop, Thomas Jefferson University, Philadelphia, PA
- 3/1989 Faculty, Surgical Care of the Lumbar Spine, University of Washington, Seattle, WA
- 4/1989 Guest Surgeon and Lecturer, Hokkaido, Sapporo, Japan
- 4/1989 Guest Surgeon and Lecturer, Tokai University, Kanagawa, Japan
- 10/1989 Co-Director, Spinal Plate Workshop, Thomas Jefferson University, Philadelphia, PA
- 1/1990 Guest Surgeon and Lecturer, Genoa University Hospital, Genoa, Italy
- 5/1990 Guest Surgeon and Lecturer, Clinic du Pre, Le Mans, France
- 10/1990 Faculty, Techniques in Spinal Instrumentation, Johns Hopkins University, Baltimore, MD
- 9/1991 Faculty, ISOLA Spinal Implant: Principles and Practice, Secaucus, NJ
- 11/1991 Faculty, VSP Workshop, Osaka, Japan
- 11/1991 Guest Surgeon and Lecturer, Koseinenkin Hospital, Osaka, Japan
- 3/1992 Faculty, Contemporary Update on Disorders of the Spine, Nashville, TN
- 2/1993 Faculty, Versatility in Spinal Instrumentation, San Francisco, CA
- 2/1993 Faculty, Fifth International Course on Segmental Spinal Reconstructive Surgery, Cleveland, OH
- 3/1993 Faculty, Spinal Fixation Symposium, Philadelphia, PA

- 4/1993 Faculty, Contemporary Update on Disorders of the Spine, Nashville, TN
- 7/1993 Faculty, Controversies in Spine Surgery, Dearborn, MI
- 4/2014 Medical student and resident teaching, Cooper University Hospital, Camden, NJ

**COMMITTEE AND ADMINISTRATIVE SERVICES:**

- 7/1984-7/1992 Tissue Committee, Thomas Jefferson University Hospital
- 7/1988-7/1990 Operating Room Committee, Thomas Jefferson University Hospital
- 7/1992-7/1994 Utilization Review Committee, Methodist Hospital

**OTHER POSITIONS AND INTERESTS:**

- 1/1992-1/2003 Board of Directors, Thorncroft Equestrian Center, Malvern, PA  
(Charitable Organization that utilizes therapeutic riding for children and adults with various spinal and brain disorders)
- 11/1988-6/1998 Medical Advisory Panel, AcroMed Corporation

**MASTER'S THESIS:**

- 1/1973 Effects of High Sucrose and High Fat Diets on Aryl Hydrocarbon Hydroxylase Activity in Rat Liver and Lung  
Master of Science Thesis, Hahnemann Medical College, Philadelphia, PA

**CLINICAL INTERESTS:**

- 2/1986- Lumbar Spinal Fusion with Transpedicular Instrumentation for Degenerative Pathology
- 6/1987-6/1989 Clinical Investigator, FDA, Spinal Bone Growth Stimulation System
- 6/1991-6/1998 Clinical Investigator, FDA, Carbon Fiber Cage for Interbody Fusion

## PUBLICATIONS:

1. Ciaccio, E.I., Shadle, C.A., Davne, S.H.: Decreased Drug Metabolism Activity by Corn Oil Feeding and Various Drugs. *Pharmacologist*, 13:194, 1971.
2. Davne, S.H., Skinner, S.H., Berman, A.T., Schwenker, E.P.: Orthopaedic Aspects of Neurofibromatosis. *Orthopaedic Transactions*, 4:362, 1980.
3. Davne, S.H.: Emergency Care of Acute Spinal Cord Injury. *Journal of the American Paraplegia Society* 6:42-46, 1983.
4. Cotler, H.B., Miller, L.S., DeLucia, F.A., Cotler, J.M., Davne, S.H.: The Closed Treatment of Cervical Spine Dislocation. *Jefferson Orthopaedic Journal*, 1983.
5. Northrup, B.E., Bose, B., Myers, D.L., Osterholm, J.L., Cotler, J.M. and Davne, S.H.: A Re-Appraisal of Central Cervical Cord Injury Treatment. *Orthopaedic Transactions*, 8:7, 1984.
6. Davne, S.H., Myers, D.L., Moore, J.H., Jarrell, B.E. and Carabasi, R.A.: Simultaneous Anterior and Posterior Thoraco-lumbar Decompression and Fusion. Videotape, American Academy of Orthopedic Surgeons, 1985.
7. Cotler, H.B., Miller, L.S., DeLucia, F.A., Cotler, J.M., Davne, S.H.: Closed Reduction of Cervical Spine Dislocation. *Clinical Orthopaedics and Related Research*, #214, 11/1987, 185-199.
8. Davne, S.H., Myers, D.L.: Complications of Lumbar Spinal Fusion with Transpedicular Instrumentation. *Spine*, 1992, 17:6S, 184-189.
9. Davne, S.H., Myers, D.L.: Complications of Lumbar Pedicle Instrumentation. *Proceedings of the Fifth International Conference on Lumbar Fusion and Stabilization*. 11/1991, Osaka, Japan.
10. Myers, D.L., Battle, F.J., Davne, S.H., Mandel, S.: Cervical Spine Injury Associated with Minor Head Trauma, Chapter 15. *Minor Head Trauma: Assessment, Management, and Rehabilitation*, Mandel, S., Sataloff, R., Schapiro, S. editors. Springer-Verlag, New York, 1993.

## LECTURES AND PRESENTATIONS:

1. "Orthopaedic Aspects of Neurofibromatosis," Elizabethtown Hospital for Children and Youth, Elizabethtown, PA, 10/1979.
2. "Orthopaedic Aspects of Neurofibromatosis," AOA Residents Conference, Rochester, MN, 5/1980.
3. "Orthopaedic Aspects of Neurofibromatosis," Jefferson Orthopaedic Society, Philadelphia, PA, 11/1980.
4. "Emergency Care of Acute Spinal Cord Injury," American Paraplegia Society, Las Vegas, NE, 9/1982
5. "Cervical Spinal Cord Injuries," Orthopaedic Grand Rounds, Northwestern Memorial Hospital, Chicago, IL, 10/1982.
6. "Traumatic Retrolisthesis in Fracture Dislocation of the Cervical Spine," Jefferson Orthopaedic Society, Philadelphia, PA, 11/1982
7. "Simultaneous Anterior-Posterior Spinal Column Neural Decompression and Fusion for Fracture-Dislocation of the Thoraco-Lumbar Spine," American Academy of Orthopaedic Surgeons, Anaheim, CA, 3/1983.

8. "Combined Simultaneous Anterior-Posterior Spinal Column Neural Decompression and Fusion for Fracture Dislocation of the Thoracic and Lumbar Spine," American Spinal Injury Association, Denver, CO, 4/1983.
9. "Cervical and Lumbar Spinal Injuries," Albert Einstein and Temple University combined Orthopaedic Grand Rounds, Philadelphia, PA, 4/1983.
10. "Segmental Spinal Instrumentation in the Thoracolumbar Spine," Jefferson Orthopaedic Society, Philadelphia, PA, 11/1983.
11. Northrup, B.E., Bose, B., Myers, D.L., Osterholm, J.L., Cotler, J.M. and Davne, S.H.: "A Re-appraisal of Central Cervical Cord Injury Treatment," Cervical Spine Research Society, 12/1983.
12. "Management of Acute Spinal Cord Injuries," Philadelphia College of Osteopathic Medicine, Orthopaedic Grand Rounds, Philadelphia, PA 10/1984.
13. Davne, S.H., Myers, D. L., et al.: "Simultaneous Anterior and Posterior Thoraco-Lumbar Decompression and Fusion," American College of Surgeons, San Francisco, CA, 10/1984.
14. Davne, S.H., Myers, D. L., et al.: "Simultaneous Anterior and Posterior Thoraco-Lumbar Decompression and Fusion," American Academy of Orthopaedic Surgeons, Las Vegas, NE, 1/1985.
15. "Surgery of the Spinal Injured Patient," Magee Rehabilitation Hospital, Philadelphia, PA, 1/1985.
16. "Cervical Spine Injuries," John F. Kennedy Hospital Residency Training Program, Cherry Hill, NJ, 4/1985.
17. "Internal Fixation of the Lumbar Spine," Neurosurgical Grand Rounds, Thomas Jefferson University, Philadelphia, PA, 9/1986.
18. "Musculoskeletal Injuries: A Clinical Multidisciplinary Approach to Rehabilitation of the Spine," American Occupational Medical Association, Philadelphia, PA, 4/1987.
19. "VSP Plate Fixation in the Lumbar Spine," PLIF Symposium, Cleveland, OH, 7/1987.
20. "VSP Plate Fixation in the Lumbar Spine," Pennsylvania Orthopaedic Society, Philadelphia, PA, 11/1987.
21. "Current Treatment Techniques in Degenerative Disc Disease of the Lumbar Spine," Neurosurgical Grand Rounds, Thomas Jefferson University Philadelphia, PA, 3/1988.
22. "The Treatment of Degenerative and Discal Pathology of the Lumbar Spine with VSP Transpedicular Fixation," VSP Plate Course, Philadelphia, PA, 5/1988.
23. "VSP Plate Fixation in the Lumbar Spine: Clinical Series," PLIF with Internal Fixation Symposium, Colorado Springs, CO, 7/1988.
24. "Surgical Management of Lumbar Spinal Disorders," Pennsylvania Academy of Chiropractic Physicians, Philadelphia, PA, 8/1988.
25. "Lumbar Spinal Fusion for Degenerative and Discal Disease using Transpedicular Plate Fixation," American Academy of Orthopaedic Surgeons, Las Vegas, NE, 2/1989.
26. "Lumbar Spinal Fusion for Degenerative and Discal Disease using Transpedicular Plate Fixation," Poster Presentation, American Academy of Orthopaedic Surgeons, Las Vegas, NE, 2/1989.
27. "The Treatment of Degenerative and Discal Pathology of the Lumbar Spine with VSP Transpedicular Fixation," Lumbar Spinal Instrumentation Seminar and Course, Seattle, WA, 3/1989.
28. "Lumbar Spinal Fusion for Degenerative and Discal Disease Using Transpedicular Plate Fixation," Hokkaido University, Sapporo, Japan, 4/1989.
29. "Lumbar Spinal Fusion for Degenerative and Discal Disease Using Transpedicular Plate Fixation," Kanawangen, Japan, 4/1989.



30. "Comparative Studies of Internal Fixation With and Without Weight Sharing," Lumbar Interbody Fusion With Internal Fixation Symposium, Quebec, Canada, 7/1989.
31. "Futility of Radiological Evaluation of Lateral Fusion after VSP Fixation," Lumbar Interbody Fusion with Internal Fixation Symposium, Quebec, Canada, 7/1989.
32. "Revision Lumbar Spine Surgery," Orthopaedic Grand Rounds, John F. Kennedy Hospital Residency Training Program, Cherry Hill, NJ, 9/1989.
33. "The Treatment of Degenerative and Discal Pathology of the Lumbar Spine with VSP Transpedicular Fixation," Spinal Surgery Seminar, Philadelphia, PA, 10/1989.
34. "PLIF with Plates," Spinal Surgery Seminar, Philadelphia, PA, 10/1989.
35. "Lumbar Fusion with Instrumentation: An Overview," University of Genoa, Genoa, Italy, 1/1990.
36. "Factors Influencing Outcome of Lumbar Spinal Fusion with Instrumentation," Poster Presentation, North American Spine Society, Colorado City, CO, 8/1990.
37. "The Treatment of Degenerative and Discal Pathology of the Lumbar Spine with VSP Transpedicular Fixation," Spinal Surgery Seminar, Baltimore, MD, 10/1990.
38. "Factors Influencing Outcome of Lumbar Spinal Fusion with Instrumentation," Neurosurgical Grand Rounds Presentation, Thomas Jefferson University, Philadelphia, PA, 2/1991.
39. "A Comparison of Outcome in L4-L5 vs. L5-S1 Fusions with Instrumentation," Jefferson Orthopaedic Society, Thomas Jefferson University, Philadelphia, PA, 11/1990.
40. "Level Fused vs. Outcome in Lumbar Spinal Fusion with Instrumentation," North American Spine Society, CO, 7/ 1991.
41. "Complications of Lumbar Spinal Fusion with Instrumentation," North American Spine Society, CO, 7/1991.
42. "Spondylolisthesis," Brick Hospital Orthopaedic Grand Rounds, Brick, NJ 9/1991.
43. "The Effect of Level(s) Fused on Outcome in Lumbar Spinal Fusion with Instrumentation," Poster Presentation, Fifth International Conference on Lumbar Stabilization, Osaka, Japan, 11/ 1991.
44. "A Five Year Experience with VSP Internal Fixation in the Lumbar Spine," Poster Presentation, Fifth International Conference on Lumbar Stabilization, Osaka, Japan, 11/1991.
45. "Response to Prior Surgery as a Factor Influencing Outcome in Lumbar Spinal Fusion," Fifth International Conference on Lumbar Stabilization, Osaka, Japan, 11/1991.
46. "Complications of Lumbar Spinal Fusion with Pedicle Screw Fixation," Fifth International Conference on Lumbar Stabilization, Osaka, Japan, November 1991.
47. "Techniques and Pitfalls of Lumbar Spinal Fusion with VSP Instrumentation," Kagoshima University, Kagoshima, Japan, 11/1991.
48. "Outcome of Lumbar Spinal Fusion with Instrumentation," Kawasaki Hospital, Kawasaki, Japan, 11/1991.
49. "Factors Affecting Outcome of Instrumented Lumbar Fusion," Koseinenkin Hospital, Osaka, Japan, 11/ 1991.
50. "Lumbar Spinal Fusion with Instrumentation," Issues in Back Surgery, Magee Rehabilitation Hospital, Philadelphia, PA, 11/1991.
51. "Complications of Lumbar Spinal Fusion with Pedicle Screw Instrumentation," Federation of Spinal Associates Meeting, Washington, DC, 2/1992.
52. "Techniques, Pitfalls, and Complications of Pedicle Screw Fixation in the Lumbar Spine," A Contemporary Update on Disorders of the Spine, Nashville, TN, 3/1992.

53. "Results Following Removal or Revision of Lumbar Pedicle Screw Instrumentation," North American Spine Society, Boston, MA, 7/1992.
54. "Clinical Experience with Posterior Lumbar Spinal Instrumentation," Versatility in Spinal Instrumentation, San Francisco, CA, 2/1993.
55. Myers, D. L., Davne, S.H.: "Prior Lumbar Surgery Response Correlated with Outcome of Lumbar Fusion," American Academy of Orthopaedic Surgeons, San Francisco, CA, 2/1993.
56. Davne, S.H., Myers, D. L.: "Prior Lumbar Surgery Response Correlated with Outcome of Lumbar Fusion," The Joint Section on Spine, American Association of Neurological Surgeons and Congress of Neurological Surgeons, Tucson, Arizona, 2/1993.
57. Davne, S.H., Myers, D.L.: "Level Fused Correlated with Outcome of Instrumented Lumbar Spinal Fusion: L4-5 vs. L5-S1," Poster Presentation, The Joint Section on Spine, American Association of Neurological Surgeons and Congress of Neurological Surgeons, Tucson, Arizona, 2/1993.
58. "Postoperative Management and Hospital Course of Lumbar Spinal Fusion Patients," Fifth International Course on Segmental Spinal Reconstructive Surgery, Cleveland, OH, 2/1993.
59. "Postsurgical Recurrent Disc Pathology," Fifth International Course on Segmental Spinal Reconstructive Surgery, Cleveland, OH, 2/1993.
60. Myers, D.L., Davne, S.H.: "Prior Lumbar Surgery Response Correlated with Outcome of Lumbar Fusion," Poster Presentation, American Association of Neurological Surgeons, Boston, MA, 4/1993.
61. Myers, D.L., Davne, S.H.: "Reexploration of Pedicle Screw Instrumented Lumbar Spinal Fusion," American Association of Neurological Surgeons, Boston, MA, 4/ 1993.
62. "Techniques, Pitfalls, and Complications of Pedicle Screw Fixation in the Lumbar Spine," A Contemporary Update on Disorders of the Spine, Nashville, TN, 4/1993.
63. "Back Injuries", American Association of Legal Nurse Consultants, King of Prussia, PA, 11/ 2004.
64. "Lumbar Spine Injuries". Cure Insurance Company, Princeton, NJ, 6/2010
65. Preventing Complications. Orthopaedic Grand Rounds, Cooper University Hospital, Camden, NJ, 4/2014.

#### CONTINUING MEDICAL EDUCATION-Scientific Meetings/Courses.

- o 10/1975, American College of Surgeons, San Francisco, CA
- o 4/197, Prosthetics, New York University, New York, NY
- o 3/1979, American Academy of Orthopaedic Surgeons, San Francisco, CA
- o 3/1980, American Academy of Orthopaedic Surgeons
- o 5/1980, AOA Residents Conference, Rochester, MN
- o 5/1980, Spine and Upper Extremity Injuries in Sports, Kiawah Island, SC
- o 3/1981, American Academy of Orthopaedic Surgeons
- o 5/1981, Advanced Trauma Life Support Providers Course, Philadelphia, PA
- o 4/1981, American Spinal Injury Association, New Orleans, LA
- o 4/1982, American Spinal Injury Association, New York, NY
- o 9/1982, American Paraplegia Society, Las Vegas, NE
- o 11/1982, Jefferson Orthopaedic Society, Philadelphia, PA
- o 4/1983, American Spinal Injury Association, Denver, CO
- o 10/1983, Eastern Orthopaedic Society
- o 11/1983, Jefferson Orthopaedic Society, Philadelphia, PA
- o 12/1983, Operative Treatment of Fractures and Non-Unions, Davos, Switzerland
- o 3/1984, Advanced Trauma Life Support Instructors Course, Philadelphia, PA

- 3/1984, American Association of Orthopaedic Surgeons, San Francisco, CA
- 6/1984, Southwestern Orthopaedic Surgery Review, Dallas, TX
- 6/1984, Maine Orthopaedic Review
- 6/1984, Orthopaedic Pathology, Biomechanics and Pediatric Orthopaedic Surgery, New York, NY
- 10/1984, American College of Surgeons, San Francisco, CA
- 1/1985, American Academy of Orthopaedic Surgeons, Las Vegas, NE
- 1/1985, American College of Spinal Surgeons, Las Vegas, NE
- 1/1985, Jefferson Orthopaedic Society, Philadelphia, PA
- 3/1986, American Academy of Orthopaedic Surgeons
- 3/1986, Federation of Spine Associations
- 5/1986, Plate Fixation of The Lumbar Spine, Cleveland, OH
- 10/1986, Eastern Orthopaedic Society, Bermuda
- 11/1986, Jefferson Orthopaedic Society, Philadelphia, PA
- 7/1987, Third International PLIF Symposium, Cleveland, OH (21.5)
- 11/1987, Pennsylvania Orthopaedic Society, Philadelphia, PA
- 11/1987, Jefferson Orthopaedic Society, Philadelphia, PA (9)
- 5/1988, Spinal Plate Workshop, Philadelphia, PA (10)
- 7/ 1988, North American Spine Society, Colorado Springs, CO (12.5)
- 7/1988, PLIF with Internal Fixation Symposium, Colorado Springs, CO (7)
- 11/1988, Jefferson Orthopaedic Society, Philadelphia, PA (9)
- 2/1989, American Academy of Orthopaedic Surgeons, Las Vegas, NE (32.5)
- 3/1989, Surgical Care of the Lumbar Spine, Seattle, WA (10)
- 4/1989, Japanese Orthopaedic Association, Tokyo, Japan
- 4/1989, Japanese Scoliosis Society, Tokyo, Japan
- 7/1989, North American Spine Society, Quebec, Canada (12.5)
- 7/1989, Lumbar Interbody Fusion with Instrumentation Symposium, Quebec, Canada (7)
- 10/1989, Spinal Surgery Seminar, Philadelphia, PA (10)
- 11/1989, Jefferson Orthopaedic Society, Philadelphia, PA (9)
- 2/1990, Federation of Spine Associations, New Orleans, LA (8)
- 3/1990, American Academy of Orthopaedic Surgeons, New Orleans, LA (34.5)
- 8/1990, North American Spine Society, Carmel, CA (15)
- 10/1990, Spinal Surgery Seminar, Baltimore, MD (10)
- 11/1990, Jefferson Orthopaedic Society, Philadelphia, PA (9)
- 10/1991, American Academy of Orthopaedic Surgery, Anaheim, CA (34.5)
- 3/1991, Federation of Spine Associates, Anaheim, CA (8)
- 7/1991, North American Spine Society, Keystone, CO (15)
- 9/ 1991, ISOLA Spinal Implant: Principles and Practice, Secaucus, NJ (7)
- 11/1991, Fifth International Conference on Lumbar Fusion and Stabilization, Osaka, Japan (21)
- 2/1992, American Academy of Orthopaedic Surgery, Washington, DC (30.5)
- 2/1992, Federation of Spine Associates, Washington, DC (7.5)
- 3/1992, A Contemporary Update on Disorders of the Spine, Nashville, TN (14.5)
- 7/1992, North American Spine Society, Boston, MA (21)
- 11/1992, Jefferson Orthopaedic Society, Philadelphia, PA (11)
- 2/1993, Versatility in Spinal Instrumentation, San Francisco, CA (8)
- 2/1993, American Academy of Orthopaedic Surgeons, San Francisco, CA (30)
- 2/1993, Fifth International Course on Segmental Spinal Reconstructive Surgery, Cleveland, OH

- o 3/1993, Spinal Fixation Symposium, Philadelphia, PA (8)
- o 4/1993, A Contemporary Update on Disorders of the Spine, Nashville, TN (15)
- o 7/1993, Controversies in Spine Surgery, Dearborn, MI (10)
- o 11/1993, Jefferson Orthopaedic Society, Philadelphia, PA (7)
- o 2/1994, American Academy of Orthopedic Surgeons, New Orleans, LA (30.5)
- o 2/1994, Federation of Spine Associations, New Orleans, LA (7)
- o 10/1994, North American Spine Society, Minneapolis, MN (20)
- o 11/1994, Arthroscopic Microdiscectomy of the Lumbar Spine, Philadelphia, PA (16)
- o 11/1994, Jefferson Orthopaedic Society, Philadelphia, PA (8)
- o 2/1995, American Academy of Orthopaedic Surgeons, Orlando, FL (30.5)
- o 10/1995, North American Spine Society, Washington, DC (18.0)
- o 2/1996, American Academy of Orthopaedic Surgeons, Atlanta, GA (28.5)
- o 10/1996, North American Spine Society, Vancouver, BC, Canada (16)
- o 10/1997, North American Spine Society, New York, NY (29)
- o 2/1998, American Academy of Orthopaedic Surgeons, New Orleans, LA (26.5)
- o 10/1998, North American Spine Society, San Francisco, CA (21.65)
- o 10/1999, North American Spine Society, Chicago (24.5)
- o 10/2002, North American Spine Society, Montreal, Canada (30.25)
- o 10/2003, North American Spine Society, San Diego, CA (31)
- o 10/2004, North American Spine Society, Chicago, IL (31.75)
- o 9/2005, North American Spine Society, Philadelphia, PA (29.25)
- o 9/2006, North American Spine Society, Seattle, WA (27.75)
- o 10/2007, North American Spine Society, Austin, TX (27.0)
- o 10/2008, North American Spine Society, Toronto, Canada (28.25)
- o 2/2011, American Academy of Orthopaedic Surgeons, San Diego
- o 11/2011, North American Spine Society, Chicago, IL
- o 4/2014, The Comprehensive New Jersey Workers' Compensation Seminar, Mount Laurel, NJ