

CURRICULUM VITAE

Gerald E. Dworkin, D.O.
Physician Rehabilitation Associates, PC
Mercy Fitzgerald Wellness Center
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Gerald E. Dworkin, D.O.
Pain and Spine Treatment Center
811 Sunset Road
Burlington Township, NJ 08016
856.461.3226

EDUCATION

<i>Philadelphia College of Osteopathic Medicine, Philadelphia, PA</i> D.O. Degree	1977 - 1981
<i>Muhlenberg College, Allentown, PA</i> B.S. Degree	1973 - 1977
<i>Nether Providence High School, Wallingford, PA</i> H.S. Diploma	1969 - 1973

POST GRADUATE EDUCATION

<i>Thomas Jefferson University Hospital of Philadelphia, Philadelphia, PA</i> Chief Resident Residency - Physical Medicine and Rehabilitation	1984 - 1985 1982 - 1985
<i>Metropolitan Hospital Springfield Division, Springfield, PA</i> Internship	1981 - 1982

LICENSURE

Pennsylvania	OS - 004891 - L
New Jersey	47096

PROFESSIONAL BOARDS

World Institute of Pain, Section of Pain Practice <i>Fellow of Interventional Pain Practice</i>	April, 2004
American Board of Pain Medicine <i>Board Certified</i>	February, 1999
American Board of Independent Medical Examiners <i>Board Certified</i>	June, 1998
American Osteopathic College of Rehabilitation Medicine <i>Board Certified</i> <i>Passed Part 2</i> <i>Passed Part 1</i>	October, 1990 October, 1985
American Association of Neuromuscular & Electrodiagnostic Medicine <i>Fellow</i>	June, 1989
Physiatric Association of Spine, Sports and Occupational Rehabilitation <i>Fellow</i>	April, 1987
American Board of Neuromuscular & Electrodiagnostic Medicine <i>Board Certified</i>	April, 1987

PROFESSIONAL BOARDS (CONTINUED)

American Board of Physical Medicine and Rehabilitation Medicine **May, 1986**
Board Certified

National Board of Medical Examiners **1982**
Board Certified
Diplomat

PROFESSIONAL EXPERIENCE

Philadelphia College of Osteopathic Medicine, Philadelphia, PA
Professor and Chairman of Physical Medicine and Rehabilitation **2006 - Present**

Pain and Spine Treatment Center, P.C., Burlington Township, NJ
President and Medical Director **2007 - Present**
 Practice specialty in PM&R and Interventional Pain Medicine

Blue Grotto Company, Medical Support and Information Technology, Plymouth Meeting, PA
Consultant for Medical Affairs **1990 - Present**

Temple University Hospital, Department of Physical Medicine and Rehabilitation, Philadelphia, PA
Assistant Professor, Physical Medicine and Rehabilitation **1987 - Present**

Pfizer Neuron Science, Miami, FL
Adviser/Consultant, Naturopathic Advisory Board **2002**

Greater Philadelphia Pain Society, Philadelphia, PA
Vice President and Chair, Strategic Planning Committee **1997 - 1999**

Integrated Health Systems, Broomall, PA
Medical Director, Rehabilitation Services **1997 - 1999**

Archives of Physical Medicine & Rehabilitation, Philadelphia, PA
Manuscript Reviewer **1996 - 1998**

National Multiple Sclerosis Society, Greater Delaware Valley Chapter, Philadelphia, PA
Member, Professional Advisory Committee **1987 - 1996**

Temple University Hospital, Pain Control Center, Philadelphia, PA
Physiatrist **1987 - 1990**

Temple University Hospital, Department of Physical Medicine and Rehabilitation, Philadelphia, PA
Co-Director, Temple Moss Residency Program **1987 - 1990**

Temple University Hospital, Department of Physical Medicine and Rehabilitation, Philadelphia, PA
Director, Clinical Services **1985 - 1990**

 COMMITTEE MEMBERSHIPS

<i>Philadelphia College of Osteopathic Medicine, Philadelphia, PA</i> Alumni Relations and Development Class Agent	2006 - Present
<i>Philadelphia College of Osteopathic Medicine, Philadelphia, PA</i> Member, Leadership and Gifts Committee	2006 - Present
<i>Mercy Health System, Philadelphia, PA</i> Member, Credentials and Medical Records Committees	1996 - 2004
<i>Greater Philadelphia Pain Society, Philadelphia, PA</i> Vice President and Chair, Strategic Planning Committee	1997 - 1999
<i>American Association of Electrodiagnostic Medicine</i> Member, Training Committee	1990 - 1997
<i>Philadelphia Society of Physical Medicine and Rehabilitation, Philadelphia, PA</i> President	1992 - 1993
<i>American Board of Electrodiagnostic Medicine</i> Oral Examiner	1991
<i>Temple University Hospital, Philadelphia, PA</i> Chairman, Healthcare Evaluation Committee Member, Quality Assurance Committee	1986 - 1990

PROFESSIONAL SOCIETY MEMBERSHIPS

American Academy of Pain Medicine
American Academy of Physical Medicine and Rehabilitation
American Association of Electromyography and Electrodiagnosis
American Medical Association
American Osteopathic Association
American Osteopathic College of Rehabilitation Medicine
American Pain Society
Greater Philadelphia Pain Society
Pennsylvania Academy of Physical Medicine and Rehabilitation
Philadelphia County Medical Society
Physiatric Association of Spine, Sports and Occupational Rehabilitation
Regional Anesthesia in Pain Medicine

 HOSPITAL APPOINTMENTS

<i>Lourdes Medical Center of Burlington County, Burlington Township, NJ</i>	2007 - Present
<i>Surgical Center of Burlington County, Willingboro, NJ</i>	2007 - Present
<i>Millennium Surgical Center, Cherry Hill, NJ</i>	2008 - Present
<i>Paoli Surgery Center, Paoli, PA</i>	2004 - Present
<i>Main Line Health Systems Hospital and Surgicenter, Paoli and Bryn Mawr, PA</i> Credentials in Physiatry and Interventional Pain Anesthesia	2003 - Present
<i>Delaware Valley Spine Surgery Center, Bala Cynwyd, PA</i>	2003 - Present
<i>Pennsylvania Surgery Center, Mercy Wellness Center, Havertown, PA</i>	2001 - Present
<i>Mercy Health System, Fitzgerald and Misericordia Divisions, Philadelphia, PA</i> Credentials in Physiatry and Interventional Pain Anesthesia	1990 - Present
<i>Temple University Hospital, Philadelphia, PA</i> Active Staff	1985 - 1990

PRESENTATIONS

- Comparison of carpal tunnel surgical release with carpal tunnel steroid injection as treatment for carpal tunnel syndrome. (November 1995). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Orlando, FL.
- Median mononeuropathy at the wrist (carpal tunnel syndrome) in hemiplegics. (October 1991). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Washington, D.C.
- Sympathetic function in diabetic patients with foot ulcers. (October 1990). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Phoenix, AZ.
- Unplanned discharges from the rehabilitation hospital among stroke patients. (October 1990). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Phoenix, AZ.
- Autonomic nervous system assessment in multiple sclerosis. (November 1989). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, San Antonio, TX.
- Computerized database for quality assurance in residency programs. (November 1989). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, San Antonio, TX.
- Prediction of facial nerve disability following acoustic neuronal resection. (November 1988). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Seattle, WA.
- The normal examination of the geriatric patient. (November 1988). Paper presented at the American

Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Seattle, WA.

The peripheral autonomic surface potential in aging and diabetes. (November 1988). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Seattle, WA.

PRESENTATIONS (CONTINUED)

The use of the peripheral autonomic surface potential in the diagnosis of severe autonomic dysfunction. (October 1987). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Orlando, FL.

The use of somatostatin in the rehabilitation of patients with severe orthostatic hypertension. (October 1987). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Orlando, FL.

Videotaped performance feedback for functional and psychosocial management of chronic musculoskeletal pain. (October 1987). Paper presented at the American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting, Orlando, FL.

Bridge program for cystic fibrosis patients to the adult care medical community. (October 1986). Paper presented at the American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting, Baltimore, MD.

Technique for the intraoperative monitoring of the facial nerve during acoustic neuroma surgery. (October 1986). Paper presented at the American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting, Baltimore, MD.

Technique to demonstrate the safe use of electrical stimulation in a patient with a sophisticated pacemaker. (October 1986). Paper presented at the American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting, Baltimore, MD.

Post traumatic syringomyelia. (April 1984). Paper presented at the Pennsylvania Academy of Physical Medicine and Rehabilitation Annual Meeting, Hershey, PA.

Major cerebral vessel obstruction in systemic lupus erythematosus. (June 1983). Paper presented at the Neuroscience Trainee Research Seminar, Jefferson Medical College, Philadelphia, PA.

Major cerebral vessel obstruction in systemic lupus erythematosus. (April 1983). Paper presented at the Pennsylvania Academy of Physical Medicine and Rehabilitation Annual Meeting, Philadelphia, PA.

GRANTS AND CLINICAL INVESTIGATIONS

Kadian, Effectiveness and Tolerability - Clinical Trial, 2002, Principle Investigator.

U.S. Department of Education, CFDA No. 84.133A, Effect of Therapeutic Recreation and Leisure Lifestyle on Rehabilitation Outcomes and on Physical and Psychological Health of Individuals with a Physical Disability, 1989 - 1991, Co-Investigator.

Biomedical Research Support Grant, Fitness in the Disabled: The Effects of Aerobic Exercise on Insulin Sensitivity in the Individual with Hemiplegia, July 1990, Principle Investigator.

PUBLICATIONS

Zhou, Linqiu, M.D., Dworkin, G.E., D.O. et al (2012), Allergic Reaction to peripheral Nerve stimulator, *The Open Neurosurgery Journal*

Dworkin, G.E., D.O. (2003, February). Interventional Spine Care. *Neuropathic Pain*, 9-12.

Dworkin, G.E., D.O. (2002). Advances in interventional spine care. *Journal of Osteopathic Medical Association*, 102(9), Supplement 3.

Hoeldtke, R.D., M.D., PhD, Dworkin, G.E., D.O., et al. (1994). Are there two types of diabetic foot ulcers? *Journal of Diabetic Complications*, 8, 117-125.

Hoeldtke, R.D., M.D., PhD, Dworkin, G.E., D.O., et al. (1992). Autonomic surface potential analysis: Assessment of reproducibility and sensitivity. *Muscle and Nerve*, 15(8).

Dworkin, G.E., D.O., Spears, J., OT/R. (1990, January). Rehabilitation of the acutely injured hand. *Trauma Quarterly: Care of the Acutely Injured Hand*.

Hoeldtke, R.D., M.D., PhD, Dworkin, G.E., D.O. (1990). Sympathetic function in diabetic patients with foot ulcers. Submitted to *Clinical Research*.

Dworkin, G.E., D.O., Gaspar, S.R., M.D. (1990). Autonomic nervous system assessment in multiple sclerosis. Submitted to *The American Journal of Physical Medicine and Rehabilitation*.

Hoeldtke, R.D., M.D., PhD, Dworkin, G.E., D.O., et al. (1989). Sympathotonic orthostatic hypotension: A report of four cases. *Neurology*, 39(1), 34-40.

Hoeldtke, R.D., M.D., PhD, Dworkin, G.E., D.O., et al. (1989). The effects of somatostatin analogue SMS - 201-955 on adrenergic response to glucose ingestion in patients with postprandial orthostatic hypertension: A report of four cases. *Neurology*, 39.

Dworkin, G.E., D.O., Weiner, J., M.D. (1989, November). The effect of conjoined root abnormalities on low back pain. *Surgical Rounds in Orthopedic Medicine*.

Dworkin, G.E., D.O., Vollison, K., M.D., Herbison, G., M.D. (1987). Use of external muscle stimulation in a patient with unipolar DDD pacemaker. *Pacing and Clinical Electrophysiology (P.A.C.E.)*, 10(1).

Dworkin, G.E., D.O., Stass, W.E., M.D. (1985). Post traumatic syringomyelia. *Archives of Physical Medicine and Rehabilitation*, 66, 329-331.

ABSTRACTS

Dworkin, G.E., D.O. (1995). Comparison of carpal tunnel surgical release with carpal tunnel syndrome. *Archives of Physical Medicine and Rehabilitation*, (76)10.

Dworkin, G.E., D.O., Solberg, B., M.D. (1991). Median mononeuropathy at the wrist (carpal tunnel syndrome) in hemiplegics. Archives of *Physical Medicine and Rehabilitation*, (72)10.

Fitzpatrick, Lacertian, M.D., Dworkin, G.E., D.O. (1990). Unplanned discharges from the rehabilitation hospital among stroke patients. Archives of *Physical Medicine and Rehabilitation*, (71)10.

 ABSTRACTS (CONTINUED)

Dworkin, G.E., D.O., Hoeldtke, R.D., M.D., PhD. (1990). Sympathetic function in diabetic patients with foot ulcers. Archives of *Physical Medicine and Rehabilitation*, (71)10.

Dworkin, G.E., D.O., Gaspar, S.R., M.D. (1989). Autonomic nervous system assessment in multiple sclerosis. Archives of *Physical Medicine and Rehabilitation*, (70)11.

Dworkin, G.E., D.O., Gaspar, S.R., M.D. (1989). Computerized database for quality assurance in residency programs. Archives of *Physical Medicine and Rehabilitation*, (70)11.

Dworkin, G.E., D.O., Gaspar, S.R., M.D., Demopoulos, J.T., M.D. (1988). Prediction of facial nerve disability following acoustic neuroma resection. Archives of *Physical Medicine and Rehabilitation*, (69)9.

Gaspar, S.R., M.D., Dworkin, G.E., D.O., (1988). The peripheral autonomic surface potential in aging and diabetes. Archives of *Physical Medicine and Rehabilitation*, (69)9.

Dworkin, G.E., D.O., Downie, R., M.D. (1988). The normal examination of the geriatric patient. Archives of *Physical Medicine and Rehabilitation*, (69)9.

Dworkin, G.E., D.O., Hoeldtke, R.D., M.D., PhD. (1987). The use of the peripheral autonomic surface potential in the diagnosis of severe autonomic dysfunction. Archives of *Physical Medicine and Rehabilitation*, (68)9.

Kamen, L., D.O., Dworkin, G.E., D.O. (1987). The use of somatostatin in the rehabilitation of patients with severe orthostatic hypotension. Archives of *Physical Medicine and Rehabilitation*, (68)9.

Sharma, D.G., Dworkin, G.E., D.O. (1987). Videotaped performance feedback for functional and psychosocial management of chronic musculoskeletal pain. Archives of *Physical Medicine and Rehabilitation*, (68)9.

Dworkin, G.E., D.O., Izzo, K.L., M.D. (1986). Technique for the intraoperative monitoring of the facial nerve during acoustic neuroma surgery. Archives of *Physical Medicine and Rehabilitation*, (67)9.

Dworkin, G.E., D.O., Izzo, K.L., M.D. (1986). Bridge program for cystic fibrosis patients to the adult care medical community. Archives of *Physical Medicine and Rehabilitation*, (67)9.

 MAJOR LECTURES AND COURSE PARTICIPATION

Philadelphia College of Medicine, Philadelphia, PA

Lecture to second year students in Physical Medicine and Rehabilitation course Annually

Pennsylvania Osteopathic Medical Associates Regional Meeting, West Chester, PA

Current Treatment of Low Back Pain (Guest Lecturer) **February, 2004**

*West Virginia School of Osteopathic Medicine, Interventional Pain Management Course and Workshop,
Lewisburg, WV*

Advanced Treatment for Axial Back Pain **July, 2002**

MAJOR LECTURES AND COURSE PARTICIPATION (CONTINUED)

Philadelphia College of Osteopathic Medicine, Philadelphia, PA

Interventional Treatment of Spine Pain **March, 2002**

Mercy Fitzgerald Hospital, Medical Grand Rounds, Philadelphia, PA

New Concepts in Low Back Pain Treatment **November, 2001**

Taylor Hospital, Medical Grand Rounds, Philadelphia, PA

Treatment of Low Back Pain Syndrome **February, 2000**

Mercy Fitzgerald Hospital, Medical Grand Rounds, Philadelphia, PA

Low Back Pain: Diagnosis and Management **December, 1997**

Multiple Sclerosis Society, Greater Delaware Valley Chapter, Philadelphia, PA

Option for Fitness (Keynote Address) **May, 1996**

Multiple Sclerosis Society, Greater Delaware Valley Chapter, Philadelphia, PA

Rehabilitation Options in Multiple Sclerosis **December, 1994**

Adams Mark Hotel, Philadelphia, PA

Back Pain Associated with Osteoarthritis **June, 1994**

Graduate Hospital, Physical Medicine & Rehabilitation Grand Rounds, Philadelphia, PA

Physiatrist Approach to Low Back Pain **May, 1993**

St. Frances Hospital, Medical Grand Rounds, Wilmington, DE

Electromyography for the Internist **September, 1992**

*Annual Family Practice Review (as part of the Recent Advances in Medicine Annual Program), Temple
University Medical School, Philadelphia, PA*

Simple Low Back Pain-What Causes it, How to Work it up, How to Treat it. **1990 - 1992**
The Treatment of Low Back Pain **October, 1987**

Mercy Fitzgerald Hospital, Medical Grand Rounds, Philadelphia, PA

Assessment of Low Back Pain **March, 1991**

American Osteopathic College of Rehabilitation Medicine, Philadelphia, PA

Exercise in the Disabled and Equipment Options (Course Co-Chairman) **March, 1991**

Workmen's Compensation Case Management Algorithms (Course Co-Chairman)

Temple University Medical College Neurology Residents, Philadelphia, PA

The Basics of Electromyography **March, 1991**

(A two part lecture series)

Physical Medicine and Rehabilitation Residents

Muscle Physiology **March, 1991**

(A three part lecture series)

American Association of Electrodiagnostic Medicine Annual Meeting, Chicago, IL

Autonomic Testing (Faculty) **September, 1990**

Temple University Seminar in Long Term Care Administration, Philadelphia, PA
Rehabilitation in the Nursing Home: Views of Physician and Therapist
(Course Director)

June, 1990

 MAJOR LECTURES AND COURSE PARTICIPATION (CONTINUED)

<i>Temple University College of Allied Health, Department of Occupational Therapy, Philadelphia, PA</i> Medical Orthopedics (Course Director)	1985 - 1990
<i>Philadelphia Medical Society's Annual Course in Electrodiagnostic of the Physical Medicine and Rehabilitation Section, Thomas Jefferson University Hospital, Philadelphia, PA</i> EMG Practicum (Instructor)	1986 - 1988
<i>Neurosurgical Grand Rounds, Philadelphia, PA</i> Intraoperative Electrodiagnostic Monitoring	April, 1988
<i>American Board of Internal Medicine (Geriatric Board Review for Diplomats) and American Board of Family Practice</i> Immobility... How to Treat and Rehabilitate	March, 1988
<i>Temple University College of Allied Health, Schools of Physical & Occupational Therapies, Philadelphia, PA</i> Peripheral Nerve Injuries, Diagnosis and Treatment	November, 1986
<i>Temple University Dental School, Second Year Dental Students, Philadelphia, PA</i> Dentistry for the Disabled	October, 1986
<i>Temple University College of Allied Health, Department of Occupational Therapy, Philadelphia, PA</i> Rehabilitation of Upper Extremity Fractures Cardiopulmonary Rehabilitation (A four part lecture series)	January - March, 1986
<i>Temple University Medical College Second Year Students, Philadelphia, PA</i> Rehabilitation and Family Practice	October, 1985

 PROFESSIONAL MEETINGS AND COURSES

Pennsylvania Osteopathic Associations – 100 clinical Assembly	April, 2008
Philadelphia College of Osteopathic Medicine Challenges in Osteopathic Medical Education in 2006, Metabolic Syndrome, Cancer Prevention, Stem Cells; From Bench to Bedside, Overview of HIV Philadelphia, PA	September, 2006
Challenges in Osteopathic Medical Education ACLS Course Participation, Consent Issues in Patient Care, Communications Unanticipated Outcomes Philadelphia, PA	September, 2005
American Society of Interventional Pain Physicians, 6th Annual Meeting <i>Alexandria, VA</i>	September, 2004
Clinical Training for Percutaneous Cervical DISC Nucleoplasty <i>Alexandria, VA</i>	September, 2004
3rd Interventional Examination for Certification as a Fellow of Interventional Pain Practice <i>Memphis, TN</i>	March, 2004

Phase 4 Discography Spinal Injection Workshop using Cadavers <i>International Spine Injection Society, Orlando, FL</i>	February, 2004
Implantable Pain Therapies Workshop, Tracks 1 & 2 <i>Scottsdale, AZ</i>	January, 2004
Advanced Cardiac Life Support <i>Philadelphia College of Osteopathic Medicine, Department of Emergency Medicine, Philadelphia, PA</i>	November, 2003
Phase 3 Cervical Workshop using Cadavers <i>International Spine Injection Society, Medical Education and Research Institute, Memphis, TN</i>	June, 2003

 PROFESSIONAL MEETINGS AND COURSES (CONTINUED)

American Academy of Pain Medicine Annual Meeting <i>New Orleans, LA</i>	February, 2003
Percutaneous Disc Decompression, Nucleoplasty Procedure Arthrocare Spine Certificate of Training	February, 2002
Advanced Spinal Techniques for Pain Management <i>Gainesville, FL</i>	January, 2002
Spinal Endoscopy Super Course <i>John D. Thompson Hospice Institute for Education and Training, Branford, CT</i>	July, 2001
Radiofrequency Lesioning and Intradiscal Therapies Philadelphia, PA	May, 2001
Radiofrequency Lesioning and Intradiscal Therapies <i>Fort Lauderdale, FL</i>	February, 2001
Interactive Surgical Training Labs <i>Wilmington, MA</i>	November, 2000
American Academy of Pain Medicine Review/Refresher Course <i>New Orleans, LA</i>	February, 2000
American Pain Society Review Course <i>Palm Springs, CA</i>	February, 1999
American Pain Society Professional Development Course <i>San Diego, CA</i>	November, 1998
Advanced Topics in Impairment and Disability Evaluations <i>American College of Occupational/Environmental Medicine, San Francisco, CA</i>	June, 1998
Diagnostic Dilemmas in Pain Management <i>Greater Philadelphia Pain Society, Philadelphia, PA</i>	April, 1998
American Academy of Physical Medicine and Rehabilitation Annual Scientific Meeting <i>Atlanta, GA</i>	November, 1997

Pain Management: Opportunities, Obstacles and Outcomes <i>American Pain Society, 16th Annual Scientific Meeting, New Orleans, LA</i>	October, 1997
Advanced Cardiac Life Support <i>Philadelphia College of Osteopathic Medicine, Philadelphia, PA</i>	September, 1997
John Bonica Pain Conference <i>Aspen, CO</i>	March, 1997
Rehabilitation Sports Medicine IX: Controversies in Sports Medicine <i>Rehabilitation Institute of Chicago, Chicago, IL</i>	December, 1996

 PROFESSIONAL MEETINGS AND COURSES (CONTINUED)

Cumulative Trauma Disorder - The Upper Extremities <i>American Osteopathic College of Rehabilitation Medicine, Denver, CO</i>	May, 1996
Epidural Clinical Practicum <i>University of Vera Cruzana, Institute of Post Graduate Education, Xalapa, Mexico</i>	October, 1995
Phase 1 Lumbar Injection Workshop <i>International Spine Injection Society, Daly City, CA</i>	March, 1995
American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting <i>Miami Beach, FL</i>	1993
American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting <i>San Francisco, CA</i>	1992
American Academy of Electrodiagnostic Medicine Scientific Meeting Vancouver, B.C.	1991
96th Annual AOA Convention and Scientific Meeting <i>New Orleans, LA</i>	1991
American Academy of Electrodiagnostic Medicine Scientific Meeting <i>Chicago, IL</i>	1990
Single Fiber EMG and Quantitative Analysis <i>AAEE Workshop, Atlanta, GA</i>	March, 1989
American Academy of Electrodiagnostic Medicine Scientific Meeting <i>San Diego, CA</i>	September, 1988
American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting <i>Seattle, WA</i>	November, 1988
American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting <i>Orlando, FL</i>	October, 1987

Institute for Academic Physiatrist August, 1987
Boston, MA

Electrodiagnosis of Neurologic Diseases March, 1987
Mayo Clinic, Rochester, MN

Underwater Medicine January, 1987
Temple University, The Netherlands Antilles

American Pain Society's Annual Meeting November, 1986
Washington, D.C.

PROFESSIONAL MEETINGS AND COURSES (CONTINUED)

Advanced Evoked Potentials in Clinical Neurophysiology October, 1986
Harvard Medical School, Boston, MA

American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting 1986
Baltimore, MD

American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting September, 1985
Kansas City, MO

American Academy of Physical Medicine and Rehabilitation / American Congress of Rehabilitation Medicine Annual Scientific Meeting October, 1984
Boston, MA

Pennsylvania Academy of Physical Medicine and Rehabilitation Annual Meeting 1984
Bedford Springs, PA

Lower Extremity Prosthetics 1983 - 1984
Hospital of the University of Pennsylvania, Philadelphia, PA

Lower Extremity Orthotics 1983 - 1984
Moss Rehabilitation Hospital, Philadelphia, PA

10th Annual Course in Electrodiagnosis 1983 - 1984
Thomas Jefferson University Hospital, Philadelphia, PA

Pennsylvania Academy of Physical Medicine & Rehabilitation Annual Meeting 1983 - 1984
Hershey, PA