

## CURRICULUM VITAE

Gerald E. Dworkin, D.O.  
Physician Rehabilitation Associates, PC  
Mercy Fitzgerald Wellness Center  
1503 Lansdowne Avenue, Suite 2001  
Darby, Pennsylvania 19023  
610.237.5006

Gerald E. Dworkin, D.O.  
Pain and Spine Treatment Center  
1105 Sunset Road  
Burlington Township, NJ 08016  
856.461.3226

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### EDUCATION

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

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### POST GRADUATE EDUCATION

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

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### LICENSURE

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<b>Pennsylvania</b>	<b>OS - 004891 - L</b>
<b>New Jersey</b>	<b>47096</b>

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### PROFESSIONAL BOARDS

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

## 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

*Physicians Rehabilitation Associates, P.C., Darby, PA*  
**President and Medical Director** **1990 - Present**  
 Practice specialty in PM&R and Interventional Pain Medicine

*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

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

*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**

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 COMMITTEE MEMBERSHIPS
 

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

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 PROFESSIONAL SOCIETY MEMBERSHIPS
 

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**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**

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 HOSPITAL APPOINTMENTS
 

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<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

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## 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.

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PRESENTATIONS (CONTINUED)

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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.

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GRANTS AND CLINICAL INVESTIGATIONS

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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.

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PUBLICATIONS

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- 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., Vollision, 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.

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ABSTRACTS

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- 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.

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 ABSTRACTS (CONTINUED)
 

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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.

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 MAJOR LECTURES AND COURSE PARTICIPATION
 

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*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**

June, 1990

(Course Director)

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 MAJOR LECTURES AND COURSE PARTICIPATION (CONTINUED)
 

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

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 PROFESSIONAL MEETINGS AND COURSES
 

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

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

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 PROFESSIONAL MEETINGS AND COURSES (CONTINUED)
 

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

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

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 PROFESSIONAL MEETINGS AND COURSES (CONTINUED)
 

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

**10<sup>th</sup> Annual Course in Electrodiagnosis** 1983 - 1984  
*Thomas Jefferson University Hospital, Philadelphia, PA*

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