

Curriculum Vitae

F. Michael Ferrante, M.D., FABPM

Education

1972 - 1976 B.S. - Tulane University (Biology)
1976 - 1980 M.D. - New York Medical College

Postgraduate Training and Fellowship Appointments

1980 - 1981 Internship in Internal Medicine
Emory University - Affiliated Hospitals, Atlanta, GA
1981 - 1983 Resident in Internal Medicine
Emory University - Affiliated Hospitals, Atlanta, GA
1983 - 1984 Fellowship in Infectious Disease
Barnes Hospital, Washington University - St. Louis, MO
1984 - 1986 Resident in Anesthesiology
Emory University - Affiliated Hospitals, Atlanta, GA
1986 - 1987 Fellowship in Pain Management
Brigham and Women's Hospital, Harvard Medical School – Boston, MA

Faculty Appointments

1987 - 1990 Instructor in Anesthesia
Department of Anesthesia, Harvard Medical School, Boston, MA
1990 - 1995 Assistant Professor of Anesthesia
Department of Anesthesia, Harvard Medical School, Boston, MA
1995 - 1999 Associate Professor of Anesthesia and Medicine
University of Pennsylvania School of Medicine, Philadelphia, PA
1999 - 2001 Professor of Anesthesia and Medicine
University of Pennsylvania School of Medicine, Philadelphia, PA
2001 - present Professor of Clinical Anesthesiology
Department of Anesthesiology, David Geffen School of Medicine at UCLA,
Los Angeles, CA
2002 –present Professor of Clinical Anesthesiology and Internal Medicine
Departments of Anesthesiology and Internal Medicine, David Geffen School of
Medicine at UCLA, Los Angeles, CA

Hospital and Administrative Appointments

1988 - 1989 Associate Director, Pain Management Center
Brigham and Women's Hospital- Harvard University, Boston, MA
1989 - 1995 Director, Pain Management Center
Brigham and Women's Hospital- Harvard University, Boston, MA
1994 - 1995 Anesthesiologist
Division of Physical Medicine and Rehabilitation, Harvard University Boston,
MA

Hospital and Administrative Appointments (cont.)

1995 - 2001	Director, Pain Management Center and Director, Cancer Pain and Symptom Management, Program of the University of Pennsylvania Cancer Center Member, University of Pennsylvania Comprehensive Cancer Center, Philadelphia, PA
1997 - 2001	Staff Anesthesiologist, Department of Anesthesiology Presbyterian Medical Center of the University of Pennsylvania Health System, Philadelphia, PA
2001 - 2004	Co-Director, UCLA Spine Center Department of Anesthesiology, David Geffen School of Medicine at UCLA, Los Angeles, CA
2001 - present	Director, UCLA Pain Management Center Department of Anesthesiology, David Geffen School of Medicine at UCLA, Los Angeles, CA
2006 - 2007	Surgery Committee UCLA Santa Monica-UCLA Medical Center and Orthopedic Hospital

Specialty Certification

1985	American Board of Internal Medicine
1987	American Board of Anesthesiology
1993	Certificate of Added Qualifications in Pain Management (American Board of Anesthesiology)
1994	Fellow of the American Board of Pain Medicine
2003	Recertification of Added Qualifications in Pain Management (American Board of Anesthesiology)

Licensure

1981	Georgia #22757
1983	Missouri #R9C38
1986	Massachusetts #55563
1995	Pennsylvania #MD-055199-L
2001	California #G86121
2001	California DEA #AF1459355

Awards, Honors, and Membership in Honorary Societies

1974	Tulane Scholar
1976	Phi Beta Kappa
1976	Summa Cum Laude
1983	The Lloyd Hyde Medical House Staff Research Award Emory University, Department of Internal Medicine for Original Research: <i>"Immune Complexes – An Epiphenomenon in Disseminated Gonococcal Infection"</i>
1987	Harvard Anesthesia Center Residents' Competition, First Prize: <i>"A Statistical Model for the Description of Cyclic Pain in Patients Using Patient-Controlled Analgesia"</i>
1992 - 1994	Elected to: <i>"The Best Doctors in America"</i>
1995 - 1998	Elected to: <i>"Who's Who in Medicine and Healthcare in North America"</i>
1996	Elected to: <i>"Top Docs"</i> by Philadelphia Magazine

Awards, Honors, and Membership in Honorary Societies (cont.)

1996	Today Show - Forever Young Series, talk on: " <i>Managing Pain</i> "
1997 - present	Association of University Anesthesiologists
1999 - 2005	Secretary-Treasurer, American Society of Regional Anesthesia and Pain Medicine
1999	Radio: WWBB, "Medical Frontiers"
1999 - 2002	Fellow, College of Physicians of Philadelphia
2001 - 2006	Elected to: " <i>America's Top Doctors</i> "
2002 - 2006	Elected to: " <i>Who's Who in America</i> "
2002 - 2006	Elected to: " <i>Who's Who in Medicine and Healthcare</i> "
2001	2003 Named " <i>One of the Top 35 Pain M.D.'s in the U.S.</i> " by <i>Good Housekeeping</i> magazine, May 2003, pp. 104-106
2002	Featured on Korean Broadcasting Systems, "The Human Brain," February
2003	Featured in LA Times: "Doctors Refining Pain Relief," Nov. 24, 2003, p. F8
2003	Featured in <i>Vogue</i> magazine: "Back Stabbers," November 2004, pp. 334-343
2004	Featured in <i>LA Daily News</i> : "No Laughing Matter," November 24, 2004
2005 - 2007	President-elect, American Society of Regional Anesthesia and Pain Medicine
2006	Allergan Institute of Distinction
2006	Featured in <i>Adelphia Cable Network</i> program "Health Zone": "My Aching Back", February 22, 2006
2006	Interviewed by ABC Radio to comment on methadone for chronic pain, June 28, 2006.
2006	Featured in <i>Smart Business in Los Angeles</i> : "A pain in the back", August 2006 Issue
2006 - present	Global Directory of Who's Who

Consulting Activities

Nov. 1, 2002	Postherpetic Neuralgia Symposium (day-long), provided to employees of Parke-Davis
2002 - 04	Pain Advisory Board, Merck
2002	Pain Advisory Board, Abbott
2003	Pain Advisory Board, Novartis
2002 - present	Allergan
May 22-23, 2003	Department of Anesthesiology, University of Washington, Review of Pain Medicine Program
2004 - present	Medical Advisory Board, Dannemiller Memorial Education Foundation
2005 - present	Pain Advisory Board, Pfizer
2005 - present	The Primary Care Institute (Postgraduate Institute for Medicine)
2006	Consultant, Medtronic Neurological
2006	Consultant, DOV Pharmaceuticals
2006	Pain Advisory Board, Endo Pharmaceuticals
2006	Pain Advisory Board, Allergan
2006	Consultant, Penwest Pharmaceuticals
2006	Consultant, MEDACorp/Leerink Swann & Co
2006	Consultant, O.N.E. U.P. (Allergan)
2006	Clinical Expert Advisory Board, Alparma Pharmaceuticals
2007	Arthritis and Analgesia Thought Leader Market Research, Merck & Co.

Memberships in Professional and Scientific Societies (Include offices held)

National Societies:

1987 - present	American Academy of Pain Medicine
1980 - 2000	American College of Physicians
1997 - present	American Medical Association
1987 - present	American Pain Society
	American Society of Anesthesiologists
1992 - 1993	Member, Subcommittee on Local Anesthesia and Pain
1993 - 1995	Chairman, Guidelines Committee for Cancer Pain Management
1993	Member, Scientific Papers Subcommittee
1994	Peer Reviewer, Task Force on Practice Guidelines for Management of Acute Pain in the Postoperative Setting
1999 - 2003	Subcommittee on Local Anesthesia and Pain
2005 - 2008	Committee on Anesthesia Subspecialties
2008	Committee on Regional Anesthesia
	The American Society of Regional Anesthesia and Pain Medicine
1990 - 1991	Chairman, Workshops Committee
1992	Member, Scientific Program Committee, Annual Meeting
1992 - 1994	Member, Committee on Pain Management
1996	Labat Award Committee, Member, Awards Committee
1996	Research Committee for the Distribution of Koller Grant
1996 - present	Board of Directors
1997	Distinguished Service Award Committee
1999 - 2005	Treasurer
2001 - 2004	Chairman, Finance Committee
2005 - present	Chairman, Membership Committee
2005 - 2007	President-elect
2007-2009	President
1991 - 1994	Arthritis Drug Advisory Committee of the Food and Drug Administration
1996 - present	Association of University Anesthesiologists
1995 - 2001	Chester County Medical Society
1999 - 2002	College of Physicians of Philadelphia
	Federal Agency for Health Care Policy and Research
1991 - 1993	Peer reviewer, Guidelines for acute and cancer-related pain management
1987 - present	International Anesthesia Research Society
	The International Association for the Study of Pain
1988	International Advisory Board, Turkish Chapter IASP
1988 - 1993	Task Force on Acute Pain, Section Leader for: Acutely Painful Medical Conditions
	International Spinal Injection Society
1994	National Institutes of Health
	Member of Review Panel, National Cancer Institute RFA: 93-35: "Cancer Pain Management in an Outpatient Setting"
2005	Neurotoxicity Society
2001 - present	Neurotoxin Institute
	Member of Scientific "think-tank" for the Study of Neurotoxins for Medical Use
1995 - 2001	Pennsylvania Medical Society
2008	Western Pain Society
	Board of Directors

Editorial Positions

1987 - 1988	Consultant Reviewer, Anesthesia and Analgesia
1990, 1993-2004	Abstract Reviewer, Annual Meeting: American Society of Anesthesiologists
1990	Abstract Reviewer, Annual Meeting: American Society of Regional Anesthesia
1991	Consultant Reviewer, Clinical Journal of Pain
1993	Book Editor, Regional Anesthesia
1995, 2001- present	Consultant Reviewer, The New England Journal of Medicine
1995	Consultant Reviewer, Pain
2001 - present	Consultant Reviewer, Anesthesiology
2001 - present	Consultant Reviewer, Regional Anesthesia and Pain Medicine
1991	Editorial Advisory Board, Journal of Pain and Symptom Management
1993 - 2003	Editorial Board, Regional Anesthesia
1994	Editorial Board, Pain Digest
1994 - 1995	Editorial Board, The International Monitor
1995 - 2004	Editorial Board, Techniques in Regional Anesthesia and Pain Management
1998 - present	International Editorial Advisory Board, Turkish Journal of Pain
1999 - 2005	Editorial Board, The Journal of Pain

Academic Committees

1995 - 1997	Member, Ambulatory Medical Records Oversight Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1997	Co-Chair, Forms, Format(s) and Chart Content Subcommittee, University Ambulatory Medical Records Oversight Committee. University of Pennsylvania, Philadelphia, PA
1995 -1996	Departmental Representative, Global TeleMedical Network Clinical Task Force, University of Pennsylvania, Philadelphia, PA
1995 -1997	Member, Principles of Practice Executive Committee, University of Pennsylvania, Philadelphia, PA
1995 -1996	Member, Grant Writing Toolbox Committee, Department of Anesthesia, University of Pennsylvania, Philadelphia, PA
1995 -1997	Chairman, Cancer Pain and Symptom Management Research Group, Cancer Center, University of Pennsylvania, Philadelphia, PA
1995 - 1998	Member, Cancer Center Pilot Projects Review Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1998	Departmental Representative, Musculoskeletal Task Force of the Clinical Integrations Steering Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1998	Member, Musculoskeletal Center Quality Improvement Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1996	Member, Hematology-Oncology Inpatient Unit Manual Writing Committee Cancer Center, University of Pennsylvania, Philadelphia, PA
1995 - 1999	Member, Pharmacy and Therapeutics Subcommittee on the Management of Pain, University of Pennsylvania, Philadelphia, PA
1995 - 1997	Member, Cancer Center Clinical Trials Scientific Review and Monitoring Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1997	Member, Ambulatory Medical Record Oversight Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1996	Member, Clinical Competence Committee, Department of Anesthesia, University of Pennsylvania, Philadelphia, PA
1995 - 1999	Member, Steering Committee, Department of Anesthesia, University of Pennsylvania, Philadelphia, PA

Academic Committees (cont.)

1995 - 1997	Member, Education Committee, Department of Anesthesia, University of Pennsylvania, Philadelphia, PA
1995 - 1996	Member, Global TeleMedical Network Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1997	Member, Practice Affairs Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1999	Member, Cancer Services Quality Improvement Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1997	Member, Total Hip Replacement Critical Pathway Committee, University of Pennsylvania, Philadelphia, PA
1994	Member, Cancer Center Rehabilitation Services Task Force, University of Pennsylvania, Philadelphia, PA
1995 - 1997	Associate Medical Director, Board of Directors, Penn Home Infusion Committee, University of Pennsylvania, Philadelphia, PA
1995 - 1997	Member, Therapy Medical Advisory Committee, University of Pennsylvania, Philadelphia, PA
1998 - 2001	Member, Chair's Advisory Committee, University of Pennsylvania,

Teaching and Clinical Responsibilities

1995 - 2000	Pain Management Core Didactic Lecture Series, University of Pennsylvania and Affiliated Hospitals
1995 - 2000	Attending Rounds on In-house Pain Consultation Service, University of Pennsylvania and Affiliated Hospitals
1995 - 2001	Chronic Pain Clinic, University of Pennsylvania and Affiliated Hospitals
2001 - present	3rd Year Medical School Anesthesiology Clerkship, David Geffen School of Medicine at UCLA
2001 - present	Director, UCLA Pain Medicine Anesthesiology Fellowship (SU 019), David Geffen School of Medicine at UCLA
2001 - present	Member, Pain Committee, Department of Anesthesiology, David Geffen School of Medicine at UCLA, Los Angeles, CA
2002 - present	4 th Year Pain Medicine Clerkship (AN298.01), David Geffen School of Medicine at UCLA
2002 - present	Lecturer, Primary Care College, David Geffen School of Medicine at UCLA
2003 - present	Lecturer, College of Applied Anatomy, David Geffen School of Medicine at UCLA
2004 - 2005	Member, Cancer Pain Committee, David Geffen School of Medicine at UCLA, Los Angeles, CA
2006 - 2007	Member, Surgery Committee, Santa Monica/UCLA Medical Center, Santa Monica, CA

Lectures by Invitation (Visiting Professorships)

Sept 20, 1995	State University of New York, Buffalo Department of Anesthesia, Buffalo, NY
Feb 20, 1996	Medical College of Pennsylvania and Hahnemann University Department of Anesthesia, Philadelphia, PA
Dec 3-4, 1996	State University of New York, Syracuse, NY
Apr 30, 1997	Memorial Sloan-Kettering Cancer Center, New York, NY
Jun 6, 1997	St. Joseph's Medical Center, Reading, PA

Lectures by Invitation (Visiting Professorships) (cont)

Oct 7-8, 1997	New York University, New York, NY
Apr 12-13, 1999	University of Iowa, Iowa City, IA
Dec 11, 2000	University of Alabama, Birmingham, AL
Jan 15-16, 2001	Cleveland Clinic Foundation, Cleveland, OH
Apr 26, 2001	Columbia University, New York Presbyterian Medical Center, New York, NY
Dec 11-12, 2002	University of Washington, Seattle, WA
Jan 7-9, 2004	University of Florida, Gainesville, FL
Jan 23-24, 2004	Stanford University School of Medicine, Stanford, CA

Lectures by Invitation (National and International Societies and Institutions)

Jun 15, 1995	“Anatomy and Physiology of Pain”, “Postoperative Pain Management”, and “Implantable Drug Delivery Systems: Patient Selection and Implant Techniques” , Dannemiller Memorial Education Foundation, San Antonio, TX
Aug 3, 1995	“Postoperative Pain Management” , Deborah Heart and Lung Center, Cardiology Grand Rounds, Browns Mills, NJ
Sep 16, 1995	“When Should the Patient be Managed by the Pain Therapist and How to do That?”, “Opioids and Acute Pain: Controversies”, and “Critical Analysis of the Use of High Technology in Cancer Pain” , II International Symposium of Pain, Sao Paulo, Brazil
Sep 24, 1995	“Epidural Pain Management” , Astra Pharmaceuticals, Bucks County Anesthesia Seminar, Lahaska, PA
Oct 23, 1995	“Role of Interventions and Update on ASA Guidelines” , American Society of Anesthesiologists, Atlanta, GA
Oct 26, 1995	“Cancer Pain Management” , Neuroscience Conference, Christiana Hospital, Medical Society of Delaware, Newark, DE
Nov 16-17, 1995	“Balanced Analgesia”, “Opioids for Chronic Non-malignant Pain”, “Physician-Assisted Suicide”, and “Herpes Zoster” , The American Society of Regional Anesthesia, Course Coordinator for Comprehensive Review of Pain Management, Individual Lectures: Comprehensive Review of Pain Management, New Orleans, LA
Feb 10, 1996	“The Use of Opioids for Nonmalignant Pain: Current Status”, “The Use of Opioids for Cancer Pain”, “The Nonsteroidal Anti-inflammatory Drugs in the Management of Pain”, “Newer Routes of Administration to Optimize Pain Control”, “Matching the Pain Patient with the Noninvasive Therapeutic Modality and the Avoidance and Treatment of Complications” , The Fifth Annual Practicing Physician’s Approach to the Pain Patient, Palm Springs, CA
Mar 5, 1996	“Pharmacologic Management of Neuropathic Pain” , Astra Pharmaceuticals, Wilmington, DE
Mar 26-31, 1996	“ASA Guidelines” Lecture, Moderator for “Review of Cancer Pain Treatment”, Moderator for “Poster Discussion Session III: Acute Postop Pain”, “Thoracic/Cervical Epidural Blockade” Workshop , American Society of Regional Anesthesia Meeting, San Diego, CA
Apr 19, 1996	“Cancer Pain Management in a Cost-Effective Way” , Update on Comprehensive Cancer Pain Management Conference Pennsylvania State University, Hershey, PA

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

- May 3-5, 1996 **“Patient Safety in Acute Pain Management” and “Pain Management for Surgery of the Thorax”**, 1996 Annual Meeting of the Pennsylvania Society of Anesthesiologists, Hershey, PA
- May 9-11, 1996 **“Update on Receptors, Neuropathways and Mechanisms”, “Intravenous Patient-Controlled Analgesia”, “Neurological Sequelae of Spinal Analgesia”, “The Role of the Nurse in Acute Pain Management”**
Symposium 1996 on Acute Pain, University of Heraklion, Heraklion, Crete
- May 24, 1996 **“Managing Pain in the Outpatient Setting”**, Riddle Memorial Hospital Grand Rounds, Media, PA
- Jun 12, 1996 **“Pharmacology of Analgesics”**, Course Director, Harvard Pain Course, Brigham and Women’s Hospital, Boston, MA
- Jun 13, 1996 **“A Rationale for Use of Postoperative Analgesic Services”**, Astra Pharmaceuticals, San Antonio, TX
- Jun 14, 1996 **“Nociceptive Mechanisms and Pathways”, “The Neuroendocrine Stress Response to Surgery”, “Patient-Controlled Analgesia”, “Epidural and Intrathecal Opioids”**, 43rd Annual Anesthesiology Review Course, Dannemiller Educational Foundation, San Antonio, TX
- Jun 26, 1996 **“Epidurals for Lower Extremity Orthopedic Procedures”**, Astra Medical Education Programs, Allamuchy, NJ
- Aug 3-6, 1996 **“Pain Neuroanatomy”, “NSAIDs”, “Local Anesthetics”, “Cancer Pain”, and “Neurolytic Blocks for Cancer Pain”**, ASRA Annual meeting, Comprehensive Review of Pain Management, Chicago, IL
- Sep 3, 1996 **“Pharmacology and Clinical Use of Opioids”, “Pharmacology and Clinical Use of Local Anesthetics”, “Pharmacology and Clinical Use of NSAIDs”, “The Management of Neuropathic Pain”, “The Management of Nociceptive Pain”**, Pain Management: A Comprehensive Review, Chicago, IL
- Sep 21, 1996 **“Thoracic Epidural Anesthesia for Chest and Upper Abdominal Surgery”**, Regional Anesthesia in the Perioperative Period, ASRA, Pittsburgh, PA
- Oct 1, 1996 **“Pain Management”**, Phoenixville Hospital, Phoenixville, PA
- Oct 22, 1996 **“Pain Management”**, Doylestown Hospital, Doylestown, PA
- Nov 4, 1996 **“Managing Pain”**, NBC Today Show, New York, NY
- Nov 6-8, 1996 **“Cancer Pain. ASA Guidelines. Therapeutic News”**; **“Coming Back to Work after Pain. When Can a Patient (especially with low back pain) be Discharged?”**, Update Course on Pain Management, Mallorca, Spain
- Nov 21-23, 1996 **“Interventional Pain Management”**, Pain Management and Chemical Dependency: Evolving Perspectives, New York, NY
- Dec 9, 1996 **“Postherpetic Neuralgia”**, 50th Postgraduate Assembly in Anesthesiology New York, NY
- Mar 7, 1997 **“Non-malignant Pain Management”**, Riddle Memorial Hospital, Media, PA
- Mar 7, 1997 **“Management of Cancer Pain”**, Chester County Hospital, West Chester, PA
- Mar 25-28, 1997 **“An Anatomic and Neurophysiologic Discussion of Nociceptive Neural Pathways”, “Nonsteroidal Anti-inflammatory Drugs”, “Pharmacology of Medications for the Treatment of Neuropathic Pain”, “Acute Pain”, “Cancer Pain”**, 6th John J. Bonica Pain Conference, Maui, HI
- Apr 7, 1997 **“Pain Management”**, Marian Community Hospital, Carbondale, PA
- Apr 10-13, 1997 **“What Works: Cancer Pain Management: Successes, Failures, Palliative Care”**, ASRA Annual Meeting, Atlanta, GA

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

Jul 17, 1997	“Anatomy of Pain: How Pain Differs in Men and Women; Children and Adults”, and Moderator, American Medical Association Media Briefing, “Pain: How to Take Control and Stop the Agony”, New York, NY
Jul 21, 1997	“Neurostimulation”, Mid-Atlantic Pain Society, Washington, D.C.
Sep 13-14, 1997	“Anatomy of the Neuraxis”, “Pharmacology of Anesthetics: What’s on the Horizon”, Anatomic Foundations for Pain Medicine and Regional Anesthesia: Workshops and Review Course, Hershey, PA
Sep 18-19, 1997	“Are Opioids Indicated for Non-malignant Pain Syndrome?”, “The ‘Difficult’ Pain Patient”, “Spinal Cord Stimulation”, “PCA/PCEA” Fourth Annual Regional Anesthesia & Analgesia ’97, Toronto, Canada
Oct 8, 1997	“Thoracic Regional Anesthesia”, New York University, New York, NY
Oct 16, 1997	“Chronic Pain Management”, Genex, Wayne, PA
Oct 18-22, 1997	“Chronic Pain Management”, ASA Annual Meeting, San Diego, CA
Nov 20-23, 1997	“Nociception”, “Principles of Cancer Pain Management”, “Neurolytic Blocks”, “Implantable Drug Delivery Systems”, “Cryoanalgesia”, “Controversy: Opioids for Nonmalignant Pain”, Annual ASRA Meeting, New Orleans, LA
Dec 3-7, 1997	“Cancer Pain Management”, “Neurolytic Blocks”, 22nd Puerto Rico/Caribbean Symposium in Anesthesiology and Related Fields, San Juan, Puerto Rico
Dec 10-12, 1997	“Current Concepts in Acute Pain Management”, “Current Concepts in Acute, Chronic, and Cancer Pain”, The World Foundation for Pain Relief and Research Inc, New York, NY
Jan 17-21, 1998	“Pharmacology and Clinical Use of Opioids”, “Pharmacology and Clinical Use of NSAIDs”, “The Management of Neuropathic Pain”, “The Management of Nociceptive Pain”, “Pain and Its Management - An Advanced Course”, Dannemiller Memorial Educational Foundation Meeting, Palm Springs, CA
May 1-3, 1998	“Cancer Pain Management”, “Controversies of the Management of Pain due to Cancer”, “The Pharmacologic Management of Neuropathic Pain”, “The Management of Neurolytic Blocks due to Cancer Pain: Controversies”, VIII National Meeting on Pain, Bogota, Colombia, South America
May 14-17, 1998	“Spinal Cord Stimulators” (Workshop), “Physician Assisted Suicide”, “Pain Fellowships - Controversial Areas” (Cracker Barrel Session), “Controversies in Epidural Steroid Injection - Risks, Benefits, Outcome”, American Society of Regional Anesthesia 23rd Annual Meeting, Seattle, WA
Jun 11-14, 1998	“Chronic Pain Management”, “Acute Pain Management”, The College of Physicians and Surgeons of Columbia University, Anesthesia in the XXI Century, Bolton Landing, NY
Aug 4-5, 1998	“Mechanisms of Pain Transmission”, “Efficacy and Outcome of Spinal Cord Stimulation”, Hands-on Workshops: “Intraspinal Drug Delivery: Case Management, Structure of Device”, “Spinal Cord Stimulation: Screening Techniques”, Interventional Therapies, A Hands-on Workshop, Course Coordinator, The American Society of Regional Anesthesia, Boston, MA

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

- Aug 6-9, 1998 **“Review of NSAID Pharmacology”, “Review of Local Anesthetic Pharmacology”, “Drugs and Treatment of Neuropathic Pain”, “Cancer Pain”, “Neurolytic Blocks”, “Sympathetic and Somatic Neural Blockade”, “Postoperative Pain Management”**, The American Society of Regional Anesthesia, Course Coordinator for the Comprehensive Review of Pain Management, Boston, MA
- Aug 12-15, 1998 **“Regional Techniques for Thoracic Surgery”, “Mechanisms of Acute Pain: An Anatomic and Neurophysiologic Discussion of Nociceptive Neural Pathways”, “Implantable Drug Delivery Systems and Spinal Cord Stimulation”, “Herpes Zoster”, “Patient-Controlled Analgesia”, “Pain in Argentina ‘98”**, An International Symposium on the Management of Acute and Chronic Pain, Buenos Aires, Argentina
- Sep 9, 1998 **“Implantable Drug Delivery Systems and Spinal Cord Stimulation”**, Didactic Physical Medicine Seminar Series, Hospital of the University of Pennsylvania and Allegheny-Graduate programs, Philadelphia, PA
- Sep 15, 1998 **“Spinal Pathways, Biochemistry and Endocrinology of Pain”**, Pain Symposium Panel for second year medical students, Brain and Behavior Module, The University of Pennsylvania School of Medicine, Philadelphia, PA
- Oct 8, 1998 **“Cancer Pain Management”**, Surgical Grand Rounds, University of Pennsylvania, School of Medicine, Philadelphia, PA
- Oct 16, 1998 **“Does Pre-emptive Analgesia Prevent the Development of Chronic Pain?”**, Fourth Annual Local Meeting of the European Society of Regional Anesthesia, Vigo, Spain
- Oct 18, 1998 **“Chronic Pain Management”**, Refresher Course Lecture, American Society of Anesthesiologists Annual Meeting, Orlando, FL
- Oct 19, 1998 **“Neuromodulation in the Chronic Pain Patient - What Have We Learned Thus Far and Can We Improve Outcome in the Future?”**
American Society of Anesthesiologists, Annual Meeting, Orlando, FL
- Oct 19, 1998 **“What Effective Modalities of Acute Pain Management are Available to Us?”**, American Society of Anesthesiologists, Annual Meeting, Orlando, FL
- Nov 18-21, 1998 **“The Anatomic and Physiologic Basis of Pain”, “Pharmacology and Clinical Use of Opioids”, “Pharmacology and Clinical Use of Local Anesthetics”, “Pharmacology and Clinical Use of NSAIDs”, “The Management of Neuropathic Pain”, “The Management of Nociceptive Pain”, “Current Strategies in Pain Diagnosis and Management”**, Dannemiller Memorial Educational Foundation Meeting, Acapulco, Mexico
- Nov 25, 1998 **“Interventional Pain Management for the Spine”**, Division of Rheumatology, Presbyterian Hospital, Philadelphia, PA
- Jan 11, 1999 **“Approaches to Neuraxial Infusion in the Management of Pain Due to Cancer”, “Managing Pain in Patients with Advanced Cancer: The Role of Neuraxial Infusion”**, Symposium sponsored by the journal, *Oncology*, New York City, NY
- Jan 16, 1999 **“Expanding Neurostimulation for Improved Patient Satisfaction: Occipital Neuralgia and Dual Lead Placement”**, Moderator
Medtronic Neurological, Philadelphia, PA
- Feb 8-10, 1999 **“Pain Pathways and Mechanisms of Pain”, “Pharmacologic Management of Neuropathic Pain”, “Physician-Assisted Suicide”**,
The Inaugural Michael Stanton-Hicks Pain Management and Regional Anesthesia Symposium, The Cleveland Clinic Foundation, Key West, FL

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

- Feb 19, 1999 **“Chronic Pain”**, Third Year Medical Student Lecture Series, Department of Anesthesia, Hospital of the University of Pennsylvania School of Medicine, Philadelphia, PA
- Mar 25, 1999 **“Opioid Pharmacology”**, Resident Lecture Series, Department of Anesthesia, Hospital of the University of Pennsylvania, School of Medicine, Philadelphia, PA
- Apr 1, 1999 **“Epidural Treatments for Back Pain”** CA3 Conference, Department of Anesthesia, Hospital of the University of Pennsylvania, School of Medicine, Philadelphia, PA
- Apr 12, 1999 **“Mechanical Low Back Pain: Facet, Sacroiliac Injections, and Diskography”**, Pain Grand Rounds, Department of Anesthesia, University of Iowa, Iowa City, IA
- May 6, 1999 **“Regional Techniques of the Spine”**, American Society of Regional Anesthesia 24th Annual Meeting, Philadelphia, PA
- May 9, 1999 **“Interventional Pain Medicine”**, Moderator, American Society of Regional Anesthesia 24th Annual Meeting, Philadelphia, PA
- May 15, 1999 **“Pain and Relief Strategies”**, Primary Management of Orthopedics, Penn Orthopedics, Cherry Hill, NJ
- July 22, 1999 **“Neuromodulation”**, Neurology Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, PA
- Aug 14-19, 1999 **“The Anatomy and Physiology of the Nociceptive Pathways: Clinical Correlates”**, **“Physician-Assisted Suicide”**, **“Differential Neural Blockade: Clinical Applications of Basic Science”**, **“Reflex Sympathetic Dystrophy: Pathophysiology, Evaluation, and Treatment”**, **“Acute Herpes Zoster: Pathophysiology, Evaluation, and Treatment”**, **“The Optimal Use of Narcotic Analgesics in the Management of Pain of Malignant Origin”**, **“The Optimal Use of Narcotic Analgesics in the Management of Non-malignant Pain”**, **“Neurolytic Procedures for Cancer Pain Management”**, **“Advanced Pharmacologic Approaches to Neuropathic Pain Management Utilizing Adjuvant Drugs”**, **“Subarachnoid Neurolytic Blocks in the Management of Pain”**, **“Botulinum Toxin in the Management of Pain”**, **“Celiac Plexus and Lumbar Sympathetic Nerve Block: Fifty Years of Progress”**, **“Stellate Ganglion and Sphenopalatine Ganglion Block: Indications and Technique”**, **“Epidural Steroids in the Management of Acute Radicular Pain”**, Interventional Pain Management, Dannemiller Memorial Educational Foundation, Hamilton, Bermuda
- Sept 25, 1999 **“Making the Pain Service Work”**, **“Thoracic Epidurals”**, ASRA/ASTRA One-Day Workshop, New York City, NY
- Sept 30, 1999 **“Pain Pathways”**, Grand Rounds, Children’s Hospital of Philadelphia, Philadelphia, PA
- Oct 9-11, 1999 **“Chronic Pain Management”** (Refresher Course Lecture), **“Post Thoracotomy Pain Control: Preemptive Analgesia”** (Panel), **“Pain Management”**(Clinical Forum), American Society of Anesthesiologists, Dallas, TX
- Oct 14-16, 1999 **“Overview of Cancer Pain”**, **“Pharmacologic Treatment of Pain: Future Trends”**, **“Implantable Systems for Drug Administration”**, **“Management of Pain by Anesthetic Techniques”**, II Indor, International Updating Congress on Pain and Stereotactic and Functional Neurosurgery, Goiania, Brazil, South America

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

Nov 18-21, 1999	“Cancer Pain Management”, “Neurolytic Blockade”, “Botulinum Toxin for Pain Management”, “Workshop: Cryoanalgesia”, Sixth Annual Comprehensive Review of Pain Management, American Society of Regional Anesthesia, New Orleans, LA
Dec 10-12, 1999	“Polyanalgesic Consensus Conference 2000”, New York City, NY
Dec 11-15, 1999	“Cancer Pain: How Early Should I Use Neurolytic Blocks”, “Regional Interventions for Cancer Pain”, PGA 53 rd Annual Meeting, New York State Society of Anesthesiologists, New York, NY
Feb 17, 2000	“Implantable Pumps and Spinal Cord Stimulators”, Philadelphia Workers’ Compensation Claims Association Lecture, Philadelphia, PA
Mar 30-Apr 2, 2000	“Efficacy and Outcomes of Neurostimulation”, “Mechanisms of Pain Transmission”, “Interventional Cadaveric Workshop”, American Society of Regional Anesthesia and Pain Medicine, Annual Meeting, Orlando, FL
Apr 6, 2000	“Nonoperative Management of Painful Spinal Conditions”, Neurosurgery, Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, PA
May 13, 2000	“Facet Arthropathy”, “Botulinum Toxin for Pain Management”, “Chronic Pain is a Disease: What does the Family Physician Need to Know?”, The Cleveland Clinic Foundation, Cleveland, OH
May 31-Jun 3, 2000	“Sympathetic Blocks”, “Post-op Pain: Which Drugs, Routes?”, “Opioid Therapy for Non-Malignant Pain”, International Society of Regional Anesthesia, Quebec, Canada
Jun 8, 2000	“Cervical Epidural V” and “Cervical Epidural VI”, 12 th World Congress of Anesthesiologists, Montreal, Canada
Jul 13-15, 2000	“Overview of Cancer Pain Management”, “Epidural and Subarachnoid Opioids”, XXVI Annual Refresher Course in Anesthesiology, Mexico City, Mexico
Aug 10-13, 2000	“Neuroanatomy of Nociception”, “Cancer Pain”, “Neurolytic Blocks”, “Drugs for the Treatment of Neuropathic Pain”, “Review of NSAID Pharmacology”, 7 th Annual Comprehensive Review of Pain Management, American Society of Regional Anesthesia and Pain Medicine, Key West, FL
Aug 24-26, 2000	“An Anatomic and Neurophysiologic Discussion of Nociceptive Neural Pathways” (Plenary Session), “Major Challenges in the Control of Non-malignant Chronic Pain”, “Thoracic Regional Analgesic Techniques” (Workshop), Scientific Committee of the 5 th Pan American Symposium on Regional Anesthesia (LASRA), Sao Paulo, Brazil, South America
Sep 12, 2000	“Current Approaches to Management of Chronic Pain”, Case Management Society of Mid-Atlantic Chapter, Thomas Jefferson University Hospital, Philadelphia, PA
Sep 16, 2000	“Management of Neuropathic Pain: Role of Blocks, Stimulators and Implantable Pumps”, “Diagnosis and Treatment of Neuropathic Pain”, Beth Israel Medical Center, Continuing Medical Education, Philadelphia, PA
Sep 24-30, 2000	“Neurolytic Blocks for Cancer Pain” Workshop, “Interventional Approaches to Cancer Pain”, “Pharmacotherapy II – Adjuvant/Analgesics”, “Invasive Modalities in the Treatment of Chronic Pain”, “Back Pain”, V th Symposium on Regional Anesthesia and Pain Medicine, Santiago, Chile, South America
Nov 4, 2000	“Role of Pain Clinic for Chronic Syndromes”, The Zurkow Lecture, The Penn Symposium 2000, Facial Pain, Philadelphia, PA
Nov 8, 2000	“Pain Management”, Delaware Chapter of National Multiple Sclerosis Society Wilmington, DE

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

- Nov 10, 2000 **“Chronic Pain Management”**, Medical Grand Rounds, Chestnut Hill Hospital Philadelphia, PA
- Nov 16, 2000 **“An Anatomic and Neurophysiologic Discussion of Nociceptive Neural Pathways”, “Pharmacology of Medications for the Treatment of Neuropathic Pain”, “Mechanical Low Back Pain: Facet and Sacroiliac Injections and Diskography”**, Chicago Society of Anesthesiologists, Chicago, IL
- Dec 11, 2000 **“Physician-Assisted Suicide”, “Spinal Injection Therapies for Mechanical and Radicular Back Pain”**, Visiting Professor, University of Alabama, Birmingham, AL
- Jan. 15-16, 2001 **“Physician-Assisted Suicide”, “Regional Anesthesia for the Thorax”, “Regional Analgesia for Spinal Conditions”**, Grand Rounds, Cleveland Clinic Foundation, Cleveland, OH
- Jan 23, 2001 **“Advanced Concepts in Intrathecal Drug Delivery”**, Medtronic Neurological, Washington DC
- April 1, 2001 **“Botox”**, WPVI-TV, Action News, Philadelphia, PA
- April 4, 2001 **“Advanced Spinal Cord Stimulation”**, Medtronic Neurological, Newport Beach, CA
- April 26, 2001 **“Pathophysiology of Low Back Pain”**, Grand Rounds, Columbia University, New York, NY
- April 26, 2001 **“Management of Intrathecal Morphine Pumps”**, Medtronic Speakers Bureau, Somerset, NJ
- May 5, 2001 **“Interventional Pain Management”**, Annual Meeting of American Society of Neurorehabilitation, Philadelphia, PA
- May 9-13, 2001 **“Innovation Therapies for Cancer Pain Management”, “MRI: Imaging Techniques for Chronic Pain Evaluation and Management”**, Annual Meeting of the American Society of Regional Anesthesia, Vancouver, British Columbia
- August 1-5, 2001 **“Neurolytic Techniques”, “Implantable Drug Delivery Systems”, “Back Pain: Pathophysiology and Interventions”**, American Society of Regional Anesthesia 8th Annual Comprehensive Review of Pain Management, Newport Beach, CA
- Oct 31, 2001 **“Postoperative Pain Management”**, West L.A. VA Anesthesia Grand Rounds, Los Angeles, CA
- Nov 14, 2001 **“Implantable Drug Delivery Systems”**, UCLA Neurosurgery Resident Lecture, Los Angeles, CA
- Nov 19, 2001 **“Nonsurgical Management of Low Back Pain”**, UCLA Joint Orthopedic and Neurosurgery Spine Grand Rounds, Los Angeles, CA
- Nov 20, 2001 **“NSAID Pharmacology”**, Merck Pharmaceuticals, Los Angeles, CA
- Dec 12, 2001 **“Postoperative Pain”**, UCLA Surgical Grand Rounds, Los Angeles, CA
- Dec 17, 2001 **“General Overview: Pain Medicine”**, Pharmacia Conference, Los Angeles, CA
- Jan 18, 2002 **“Anesthesiologic Conception of Low Back Pain”**, UCLA Rheumatology Grand Rounds, Los Angeles, CA
- Jan 19-23, 2002 **“Neruropathic Pain, Nociceptive Pain, Opioids”, “Clinical Use of Non-Steroidal Anti-Inflammatory Agents (NSAIDs)”, “Sympathetic Blocks: Stellate Ganglion, Lumbar Sympathetic, Celiac” and “Superior Hypogastric Plexus, Gangilon Impar”**, 12th Annual Pain and its Management: Dannemiller Educational Foundation, Rancho Mirage, Palm Springs, CA
- Feb 1, 2002 **“Do’s and Don’ts of Pain Management”**, St Joseph’s Hospital, Orange, CA

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

Feb 8, 2002	“Current Concepts: Pain Mechanisms, Acute, Chronic and Clinical Implications” , Kaiser Permanente Physical Medicine Regional Meeting, Pasadena, CA
Feb 27, 2002	“Pain Management Seminar” , UCLA Acute Care College for 4 th Year Medicine Students, Los Angeles, CA
March 11-14, 2002	“Pharmacological Management of Neuropathic Pain”, “Low Back Pain”, “Regional Analgesia for the Thorax”, “Neurolytic Blocks for Cancer Pain”, “Case Study: Back Pain Treatment Failure” , 11 th John J. Bonica Pain Conference, Maui, HI
March 21, 2002	“Nonsurgical Management of Low Back Pain” , Orthopedic Hospital Medical Staff Meeting, Los Angeles, CA
March 27, 2002	“Low Back Pain” , UCLA Neurology Outpatient Conference, Los Angeles, CA
April 10, 2002	“Acute Pain Management in Adults” , St. Joseph’s Hospital, Orange, CA
April 12, 2002	“Basic Principles in Pain Management” , UCLA 7 th Annual Primary Care Update 2002, Las Vegas, NV
April 16, 2002	“Acute Pain Management in Adults” , Merck, Pasadena, CA
April 17, 2002	“Nonsurgical Management of Low Back Pain” , UCLA Anesthesia Grand Rounds, Los Angeles, CA
April 25-28, 2002	“Imaging Techniques for Chronic Pain Evaluation and Management”, “Pharmacologic Management of Neuropathic Pain”, “Problem-Based Learning Sessions: Spondylotic Lumbar Spine Disease” , American Society of Regional Anesthesia and Pain Medicine, 27 th Annual Spring Meeting and Workshops, Chicago, IL
May 16, 2002	“Nonsurgical Approach to Back Pain” , UCLA Case Managers Update 2002, Pacific Palisades, CA
May 22, 2002	“The Nonsurgical Treatment of Low Back Pain” , Seoul National University, Seoul, South Korea
May 25-26, 2002	“Cryoanalgesia and Radiofrequency Neurolysis”, “The Nonsurgical Treatment of Low Back Pain” , Congress of the Korean Pain Society, Iksan, South Korea
May 30, 2002	“Pain Medicine Roundtable” , Kaiser Permanente, Los Angeles, CA
June 6-8, 2002	“Neurotoxins for Painful Conditions: Myofascial Pain” , Neurotoxin Institute Advisory Board, Celle, Germany
June 12, 2002	“Nonsurgical Management of Low Back Pain” , Harbor-UCLA Anesthesiology Grand Rounds, Torrance, CA
June 12, 2002	“Pain Management, Including Interventional Procedures for Spinal Disorders” , UCLA Update on the Treatment of Spinal Disorders, Lancaster, CA
June 21-22, 2002	“Chronic Pain as a Disease: Clinical and Pharmacologic Management Implications” , Kaiser Permanente Physical Medicine and Rehabilitation Symposium, Dana Point, CA
June 25, 2002	“Managing Acute Pain in Adults” , Pasadena Medical Association Meeting, Pasadena, CA
July 12, 2002	“Practical Pain Management” , UCLA College of Applied Anatomy, Foundations Week, Los Angeles, CA
July 22, 2002	“Opioid Pharmacology” , Introductory Lecture for 1 st Year UCLA Anesthesiology Residents, Los Angeles, CA

Lectures by Invitation (National, and International Societies and Institutions)(cont.)

- July 30, 2002 **“New Evidence in Cancer Pain Management”**, UCLA Pain Management ,
Los Angeles, CA
- Sept. 26, 2002 **“Pain Management”**, UCLA-Santa Monica General Staff Conference, Santa
Monica, CA
- Sept 30, 2002 **“Nonsurgical Management of Low Back Pain”**, UCLA Primary Care
Network Continuing Medical Education, Los Angeles, CA
- Oct. 22, 2002 **“Pharmacology of Local Anesthetics”**, UCLA Department of Anesthesiology
Resident Didactic Lecture Program, Los Angeles, CA
- Nov. 1, 2002 **“ UCLA Postherpetic Neuralgia Symposium”, “Treatment Modalities Used
for Postherpetic Neuralgia Parts I and II”**, Parke-Davis Symposium, Los
Angeles, CA
- Nov. 2, 2002 **“The Nonsurgical Management of Lower Back Pain”**, UCLA Department of
Anesthesiology Update 2002, Los Angeles, CA
- Jan 16, 2003 **“Managing Surgical Pain Following Orthopedic Surgery”**, Oasis Sports
Medicine, San Diego, CA
- Jan 18-22, 2003 **“Acute Post-Operative/Post-Traumatic Pain”, “Cancer Pain and Its
Management”, “Nociceptive Pain and its Management”, “Pharmacology
and Clinical Use of NSAIDs”, “Sympathetic Blocks: Stellate Ganglion,
Lumbar Sympathetic Celiac Plexus, Superior Hypogastric Plexus and
Ganglion Impar Blocks”, and “The Technique of Discography and Its Role
in the Diagnosis of Discogenic Pain”**, The 13th Annual Symposium Pain and
Its Management: An In-Depth Review of Basic Mechanisms and Clinical
Solutions, Dannemiller Memorial Educational Foundation, Scottsdale , AZ
- Jan 25-26, 2003 **“Pain: General Principles”, “NSAID Selection and Rational Use for
Pain Management”, “Neck and Back Pain”, and “Pharmacological
Management of Neuropathic Pain”**, Course Chair of the UCLA
Comprehensive Review of Pain Management, Century City, CA
- Feb 3, 2003 **“Pain Management Seminar”**, UCLA Acute Care College, School of
Medicine, Los Angeles, CA
- Feb 5, 2003 **“The Human Brain”, “The Mind and Body”, “The Body and the Brain”,
and “The Electronic Brain”**, Korean Broadcasting System, Seoul, South
Korea.
- Feb 7-9, 2003 **“Neurotoxins for Myofascial Pain”**, (M.E.N.T.O.R.S.), Chairman of Meeting,
Santa Monica, CA
- Feb 12, 2003 **“Interventions for Neuropathic Pain”**, Daniel Freeman Hospital, Inglewood,
CA
- March 14, 2003 **“Common Co-Morbidities: Management of Chronic Pain in Women”**, 3rd
Annual North American Women’s Healthcare Forum, Anaheim, CA
- March 17, 2003 **“Managing Surgical Pain Following Orthopedic Surgery”**, Merck
Continuing Education, Santa Monica, CA
- March 21-23,2003 **“Spinal Cord Stimulation”**, Third Semi-Annual Interventional Pain
Management Symposium, American Society of International Pain Physicians,
San Diego, CA
- April 3-6, 2003 **“Resident Cracker Barrel Designing and Evaluating Clinical Trials” and
“Evaluating Clinical Trials”**, American Society of Regional Anesthesia and
Pain Medicine, 28th Annual Spring Meeting & Workshops, San Diego, CA
- April 24, 2003 **“Managing Surgical Pain Following Orthopedic Surgery”**, Merck
Continuing Education, Beverly Hills, CA
- April 25, 2003 **“Managing Surgical Pain Following Orthopedic Surgery”**, Merck
Continuing Education, Thousand Oaks, CA

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

April 26, 2003	“Neurophysiology of Spinal Cord Stimulators” , Fifth Annual Pain Medicine Exposition, Carlsbad, CA
May 8, 2003	“Managing Surgical Pain Following Orthopedic Surgery: Total Knee Anthroplasty” , Merck Continuing Education, Santa Monica, CA
May 14, 2003	“New Developments in Pain Management: Low Back Pain” , UCLA Internal Medicine Grand Rounds, Los Angeles, CA
May 15, 2003	“Managing Surgical Pain Following Orthopedic Surgery” , Merck Continuing Education, Santa Monica, CA
May 30-June 1, 2003	“Pain Advisory Board Meeting” , Merck, San Francisco, CA
June 18, 2003	“Pain Management” , UCLA Department of Internal Medicine Weekly Didactic Lecture Series, Los Angeles, CA
June 20-21, 2003	“Pharmacology of Pain Management”, “Interventional Procedures (Annuloplasty, Neucleoplasty, IDET, LASE, Catheter Disc Decompression, Endoscopy, Radio Frequency, Pumps and Stimulators)” , Kaiser Permanente Southern California Medical Group Physical Medicine and Rehabilitation Symposium 2003, Dana Point, CA
June 27-28, 2003	“Guided Tour of the Injections and Nerve Blocks”, “Botulinum Toxins for Pain”, “Neurolytic Blocks” , Principles and Practice of Pain Medicine. Harvard Medical School, Boston, MA
June 27, 2003	“Management of Acute Pain in Adults” , Merck Continuing Education, Boston, MA
July 3, 2003	“Management of Acute Pain in Adults” , Merck Continuing Education, Santa Monica, CA
July 10, 2003	“Multimodal Acute Pain Management: A Nonsurgical Approach to Torn Meniscus – A Case Study” , Merck Continuing Education, Santa Monica, CA.
July 9-11, 2003	“Pain Management” , College of Applied Anatomy, Foundations Week, UCLA School of Medicine, Los Angeles, CA
July 17 & 24, 2003	“Multimodal Acute Pain Management: A Nonsurgical Approach to Torn Meniscus – A Case Study” , Merck Continuing Education, Santa Monica, CA
July 22, 2003	“Opioid Pharmacology” , First Year Anesthesiology Residents, Department of Anesthesiology, UCLA School of Medicine, Los Angeles, CA
August 1, 2003	“Pain Management” , Primary Care College, UCLA School of Medicine, Foundations Week, Los Angeles, CA
Sept. 6-10, 2003	“Acute Postoperative/Post-Traumatic Pain: Mechanisms and Approaches to Management”, “Nociceptive Pain: Mechanisms and Approaches to Management”, “Fire and Ice: Cryo and Thermoneurolysis” , An Intensive Review of the Specialty of Pain Medicine. Dannemiller Memorial Educational Foundation, Chicago, IL
Sept. 12, 2003	“Back Pain” , California Medical Association, Santa Clara, CA
Sept 23, 2003	“Pain Management” , UCLA Department of Anesthesiology, Resident Didactic Program, UCLA, Los Angeles, CA
Sept. 24, 2003	“Pain Management” , Department of Medicine Outpatient Didactic Conference, UCLA, Los Angeles, CA
Sept. 24, 2003	“Exploring the Evolving Role of Botulinum Neurotoxin in Pain Management” , Allergan Practice with the Experts, Los Angeles, CA
Oct. 9, 2003	“Management of Acute Pain in Adults” Merck Continuing Education, Santa Monica, CA
Oct. 16, 2003	“Multimodal Acute-Pain Management: A Nonsurgical Approach to Torn Meniscus” , Merck Continuing Education, Santa Monica, CA

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

- Nov. 1, 2003 “**The Pharmacology of NSAIDS**”, UCLA Department of Anesthesiology Update 2003, Los Angeles, CA
- Nov. 13-14, 2003 “**Update on Current Use of Anticonvulsants and Other Adjuncts: Evidence for Utility and Pitfalls**”, 2003 ASRA Fall Pain Meeting, San Diego, CA
- Nov. 14-15, 2003 “**Merck National Advisory Board: Analgesia and Arthritis**”, Moderator, New York, NY
- Nov. 21, 2003 “**Invasive Symptom Management**”, Interprofessional Fellowship in Palliative Care Lecture Series, VA Wadsworth Hospital, Los Angeles, CA
- Nov. 25, 2003 “**Pain Management**”, UCLA Department of Anesthesiology Resident Lecture, Los Angeles, CA
- Dec. 6, 2003 “**Pain Management- Advances in Western Medicine**”, UCLA 10th Anniversary Conference on East Meets West for Comprehensive Pain Management, Los Angeles, CA
- Jan 17-21, 2004 “**Nociceptive Pain: Mechanisms and Approaches to Management**”, “**Pharmacology and Clinical Use of Local Anesthetics in Acute and Chronic Pain**”, “**Pharmacology and Clinical Use of NSAIDs in the Management of Pain**”, “**Sympathetic Blocks, Stellate Ganglion, Lumbar Sympathetic, Celiac Plexus, Superior Hypogastric, Plexus, and Ganglion Impar Blocks**”, “**Fire and Ice: Cryo and Thermoneurolysis**”, “**Epidural Steroids for Discogenic Pain: Interlaminar or Transforaminal?**”, The 14th Annual Review of Pain and Its Management, Scottsdale, AZ
- Jan 23, 2004 “**Raising Awareness: Understanding and Managing of Chronic Pain**”, Stanford University, Department of Anesthesiology Grand Rounds, Stanford, CA
- Feb 4, 2004 “**Local Anesthetic Pharmacology**”, Grand Rounds, UCLA Department of Anesthesiology, David Geffen School of Medicine at, Los Angeles, CA
- Feb 21-22, 2004 “**Pain: General Principles**”, “**NSAID Selection and Rational Use for Pain Management**”, “**Pharmacological Management of Neuropathic Pain**”, “**Botulinum Toxin for Painful Medical Conditions**”, Course Chair, 2nd Annual UCLA Comprehensive Review of Pain Management, Beverly Hills, CA
- March 3-7, 2004 “**Efficacy Profiles of Pain Products**”, The American Academy of Pain Medicine 20th Annual Meeting, Orlando, FL
- March 5, 2004 “**Current Therapeutic Options: Profiles of Pain Products**”, The American Academy of Pain Medicine 20th Annual Meeting, Orlando, FL
- March 5, 2004 “**Experience and Progress in the Management of Myofascial Pain and Headache: A Focus on Neurotoxin Therapy**”, Course Chairman, M.E.N.T.O.R.S. (Methodologies for Experts in Neurotoxin Therapy: Outreach, Resources, and Support), Orlando, FL
- March 12, 2004 Moderator, Poster Session, 29th Annual Spring ASRA Meeting, Orlando, FL
- May 22, 2004 Moderator, Pain Advisory Board Meeting, New Orleans, LA.
- June 17, 2004 “**Introduction to Pain Medicine**”, “**Interventional Spine Medicine Part I and II**”, “**Local Anesthetics**”, Scott & White 10th Annual Santa Fe Symposium in Anesthesiology, Santa Fe, New Mexico
- June 23-27, 2004 “**Guided Tour of Injections and Nerve Blocks**”, “**Botulinum Toxins for Pain**”, Principles and Practices of Pain Medicine. Harvard Medical School, Boston, MA
- June 25, 2004 “**Multimodal Acute Pain Management**”, Merck & Co., Inc., Boston, MA

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

July 12, 2004	“The Treatment of Neck and Shoulder Pain: Understanding Type A Botulinum as a Neuromodulator with Anti-Nociceptive and Focal Muscle Relaxation Effects” , Department of Neurology, Tokushima University, Tokushima, Japan
July 15-17, 2004	“The Treatment of Neck and Shoulder Pain: Understanding Type A Botulinum as a Neuromodulator with Anti-Nociceptive and Focal Muscle Relaxation Effects” , Japan Society of Pain Clinicians, Tokyo, Japan
July 23, 2004	“Opioid Pharmacology” , Anesthesia Resident Didactic Lecture, Department of Anesthesiology, David Geffen School of Medicine, Los Angeles, CA
July 28, 2004	“Pain Management” , Primary Care College, Foundations Week, David Geffen School of Medicine, Los Angeles, CA
August 13, 2004	“Opioid Pharmacology” , Anesthesia Resident Didactic Lecture, Department of Anesthesiology, David Geffen School of Medicine, Los Angeles, CA
Aug 28 - Sept 1, 2004	“Nociceptive Pain: Mechanisms and Management” , “Cancer Pain: Mechanisms and Management” , “Acute Postoperative /Post-Traumatic Pain: Mechanisms and Management” , “Pharmacology and Clinical Use of Local Anesthetics in the Management of Pain” , “Pharmacology and Clinical use of NSAIDs in the Management of Pain” , “Sympathetic Blocks: Stellate Ganglion, Lumbar Sympathetic, Celiac Plexus, Superior Hypogastric Plexus, and Ganglion Impar Blocks” , “Cryoanalgesia and Radiofrequency Neurolysis” , “Discography: Indications, Technique, and Complications” , “Minimally Invasive Therapeutic Approaches to Discogenic Pain, Part I and II” , An Intensive Review of the Specialty of Pain Medicine, Dannemiller Memorial Educational Foundation, Chicago, IL
Sept 17, 2004	“Pharmacological Management of Neuropathic Pain” , Grand Rounds, Department of Obstetrics and Gynecology, David Geffen School of Medicine, Los Angeles, CA
Oct. 1, 2004	“Update and Cases on Pharmacotherapy of Pain in Older Adults: Nonopioids” , National Conference on Pain Relief in Older Adults, Baltimore, MD
Oct 30, 2004	“Principles of Chemical Neurolysis for Cancer Pain” , Pain Management and Palliative Care, David Geffen School of Medicine at UCLA, Marina Del Rey, CA
Nov 11 - 14, 2004	“What is New in Membrane Stabilizing Agents” , “Interactive Review of Pain Medicine” , “Diagnosis and Treatment of Low Back Pain” , “Bring Your Tough Cases: An Open Interaction Forum” , American Society of Regional Anesthesia & Pain Medicine (ASRA) Annual Fall Pain Meeting and Workshop, Phoenix, AZ
Nov 19, 2004	“Intrathecal Baclofen for the Treatment of Spasticity” , MS Achievement Center, UCLA Department of Neurology, Los Angeles, CA
Nov 23, 2004	“Pain Management” , Anesthesia Resident Didactic Lecture, Department of Anesthesiology, David Geffen School of Medicine, Los Angeles, CA

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

- Jan 15 - 19, 2005 **“Nociceptive Pain: Mechanisms and Management”, “Cancer Pain: Mechanisms and Management”, “Acute Postoperative /Post-Traumatic Pain: Mechanisms and Management”, “Pharmacology and Clinical Use of Local Anesthetics in the Management of Pain”, “Pharmacology and Clinical use of NSAIDs in the Management of Pain”, “Sympathetic Blocks: Stellate Ganglion, Lumbar Sympathetic Celiac Plexus, Superior Hypogastric Plexus and Ganglion Impar Blocks”, “Discography and Other X-Rays of the Spine: Essential Prerequisite Treatment?”, “Fire and Ice: Cryoanalgesia and Radiofrequency Neurolysis”, “Minimally Invasive Therapeutic Approaches to Discogenic Pain”, “Minimally Invasive Therapeutic Approaches to Non Discogenic Pain”, The 15th Annual Review of Pain and its Management, Dannemiller Memorial Educational Foundation, Scottsdale, AZ**
- Feb 4 - 5, 2005 **“Focus on Stimulation”, Program Moderator, Medtronic Neurological, Seattle, WA**
- Feb 12, 2005 **“Practice Pathways II Focus Group”, (Clinical use of neurotoxins), Moderator, Las Vegas, NV**
- Feb 26-27, 2005 **“Pain: General Principles”, “NSAID Selection and Rational Use for Pain Management”, “The Roles of Opioids for Pain Management”, “Pharmacological Management of Neuropathic Pain”, “Botulinum Toxin for Painful Medical Conditions”, “Spinal Cord Stimulation”, Course Chair 3rd Annual UCLA Comprehensive Review of Pain Management, David Geffen School, Beverly Hills, CA**
- March 12, 2005 **“Focus on Stimulation”, Program Moderator, Medtronic Neurological, Walnut Creek, CA**
- April 1, 2005 **“Rationale for the Usage of NSAIDS and COX-2 Inhibitors in the Treatment of Pain”, Advances in the Treatment of Pain: A Debate on Current Therapeutic Options for Chronic Pain. American Pain Society 24th Annual Meeting, Boston, MA**
- April 21, 2005 **“Pharmacologic Management of Chronic Pain”, “Fluoroscopy for Dummies”, American Society of Regional Anesthesia and Pain Medicine, 30th Annual Spring Meeting, Toronto, ON, Canada**
- May 12, 2005 **“Pain Management for Neck and Spine Disorders”, UCLA Case Managers Update 2005, Pacific Palisades, CA**
- May 25, 2005 **“Opioid Pharmacology”, “Drug Diversion”and “NSAID Pharmacology”, Grand Rounds, Department of Ophthalmology, Jules Stein Eye Institute, David Geffen School of Medicine, Los Angeles, CA**
- June 8, 2005 **“Reflex Sympathetic Dystrophy”, The Hand Consortium, Los Angeles, CA**
- June 23-25, 2005 **“Headache and other Pain”, Neurotoxins 2005, Denver, CO**
- July 26, 2005 **“Opioid Pharmacology”, Anesthesia Resident Didactic Lecture Series, David Geffen School of Medicine, Los Angeles, CA**
- July 27, 2005 **“Pain Management”, Primary Care College Lecture Series, David Geffen School of Medicine, Los Angeles, CA**
- Oct 14, 2005 **“Interventional procedures for pain patients should be tried as early as possible vs procedures should only be used after conservative therapy has failed”, National Pain Forum, Expert Panel Discussion**
- Oct 23, 2005 **“Radiofrequency Ablation”, Annual Meeting of the American Society of Anesthesiologists, Atlanta, GA**
- Nov 5-6, 2005 **“Botox for Pain Syndromes”, Pain Management for Dermatologists, Division of Dermatology, David Geffen School of Medicine, Beverly Hills, CA**

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

- Nov 9, 2005 **“Painful Medical Conditions”, “Cancer Pain” and “Neuropathic Pain: Mechanisms”** Ophthalmology Basic and Clinical Science Grand Rounds, Department of Ophthalmology, Jules Stein Eye Institute, David Geffen School of Medicine, Los Angeles, CA.
- Nov 17-20, 2005 **“Diagnostic Evaluation of Cervical Pain” and “Complications of Interventional Techniques and Management”**, American Society of Regional Anesthesia and Pain Medicine, Annual Fall Pain Meeting and Workshops, Miami Beach, FL.
- Jan 13-15, 2006 **“Selection of Invasive Techniques: Ethical and Legal Considerations”, “Pharmacology of Agents used in Implantable Technologies”, “Sympathetic and Neurolytic Blocks”, “Cryoanalgesia and Percutaneous Radiofrequency Lesioning”, and “Discography and Minimally Invasive Approaches for Disc Pain”**, Invasive Pain Management: An Advanced Interdisciplinary Comprehensive Course, Scottsdale, AZ.
- Feb 15, 2006 **“Principles of Pain Management”**, Internal Medicine Resident Didactic Lecture Series, David Geffen School of Medicine, Los Angeles, CA
- March 15, 2006 **“Sympathetic and Neurolytic Block”, Grand Rounds**, Department of Anesthesiology, David Geffen School of Medicine at UCLA, Los Angeles, CA
- March 22, 2006 **“Painful Medical Conditions”, “Cancer Pain”, and “Neuropathic Pain: Mechanisms”** Ophthalmology Basic and Clinical Science Grand Rounds, Department of Ophthalmology, Jules Stein Eye Institute, David Geffen School of Medicine, Los Angeles, CA.
- March 29, 2006 **“Opioid Pharmacology” and “Red Flags for Drug Addiction and Diversion”**, Ophthalmology Basic and Clinical Science Grand Rounds, Department of Ophthalmology, Jules Stein Eye Institute, David Geffen School of Medicine, Los Angeles, CA.
- April 6-9, 2006 **“Fluoroscopy and the Commonly Used Pain Management Procedures” and “ Outcome-Based Medicine: Continuous Saga - Cox2 Story”**, American Society of Regional Anesthesia and Pain Medicine, ASRA 2006 Annual Spring Meeting, Rancho Mirage, CA.
- April 12, 2006 **“The Impact of Moderate to Moderately Severe Chronic Pain”**, Pri-Med Updates, San Diego, CA
- May 6-7, 2006 **“Pain: General Principles”, “The Role of Opioids for Pain Management”, “Neuropathic Pain Syndromes”, “Pharmacological Management of Neuropathic Pain”, “Spinal Anatomy: How the PCP Can Read MRIs, CTs, and Radiographs”, and “Botulinum Toxins for Painful Medical Conditions”**, 4th Annual UCLA Comprehensive Review of Pain Management, Anaheim, CA
- May 17, 2006 **“Principles of Pain Management”**, Internal Medicine Resident Didactic Lecture Series, David Geffen School of Medicine, Los Angeles, CA
- June 6, 2006 **“The Impact of Moderate to Moderately Severe Chronic Pain”**, Pri-Med Updates, San Antonio, TX
- June 21, 2006 **“The Impact of Moderate to Moderately Severe Chronic Pain”**, Pri-Med Updates, Sacramento, CA
- July 28-29, 2006 **“Neurobiology of Pain” and “Pharmacology of Nociceptive Pain Management”**, Joint Physical Medicine and Rehabilitation/Pain Management Symposium, Kaiser Permanente, Las Vegas, NV
- July, 25, 2006 **“Opioid Pharmacology,”** Anesthesia Resident Didactic Lecture Series, David Geffen School of Medicine, Los Angeles, CA

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

- August 21, 2006 "Current Concepts in Pain Management", Century City Grand Rounds, Los Angeles, CA
- August 26-30, 2006 "Neuropathic Pain: Diagnosis and Management", "Cancer Pain", "Anatomy of the Spine", "Neck and Back Pain: Clinical Diagnosis and Treatment", "Painful Medical Conditions: An Overview", "Anatomy of the Thorax and Abdomen", "Painful Conditions of the Thorax and Abdomen", "Pharmacology of Intrathecal Pharmacological Agents", "Opioids and Non-Opioids: Pharmacology, Indications, Patient Selection, and Side Effects", "NSAIDs, NMDA Antagonists, Autonomic Drugs, and other Miscellaneous Drugs: Pharmacology, Indications, Patient Selection, and Side Effects", "Critical Care in Pain Management" and "Chemical Neurolysis and Radiofrequency Lesioning", Course Co-Director - An Intensive Review of the Specialty of Pain Medicine: A Board Oriented Review Course, Chicago, IL
- Sept 8, 2006 "Challenging Cases in Chronic Pain for the Frontline Clinician", 17th Annual Clinical Meeting of The American Academy of Pain Management, Lake Buena Vista, FL.
- Sept 12, 2006 "Pain Management", Resident Didactic Lectures, UCLA Department of Anesthesiology, David Geffen School of Medicine, Los Angeles, CA
- Sept 13, 2006 "Opioid Pharmacology", Grand Rounds, Department of Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
- Sept 15, 2006 "The Impact of Moderate to Moderately Severe Chronic Pain", Pri-Med Updates, Phoenix, AZ
- Sept 27, 2006 "The Impact of Moderate to Moderately Severe Chronic Pain", Pri-Med Updates, Los Angeles, CA
- Oct 14, 2006 **Regional Anesthesia and Acute Pain: Basic Science and Clinical II**, Poster Discussion Moderator. Annual Meeting of the American Society of Anesthesiologists, Chicago, IL
- Oct 15, 2006 "Radiofrequency Ablation" and "Spinal Cord Stimulation" Fluoroscopy Workshops., Annual Meeting of the American Society of Anesthesiologists, Chicago, IL
- Oct 17, 2006 "Diagnosis and Management of Myofascial Pain", Refresher Course Lecture. Annual Meeting of the American Society of Anesthesiologists, Chicago, IL
- Oct 26-27, 2006 "Injections and Interventional Therapies", National Pain Forum 2006, Philadelphia, PA
- Nov 2, 2006 "Changing Paradigm for Herpes Zoster Disease," Merck & Co., Inc, Santa Monica, CA
- Nov 9, 2006 "Changing Paradigm for Herpes Zoster Disease," Merck & Co., Inc, Redondo Beach, CA
- Nov 16-18, 2006 "Intensive Low Back Pain Didactic-Putting it All Together," Intensive Low Back Pain Workshop- Facet and SI injections," "Problem-Based Learning Discussion-CRPS," and "Wine and Cheese Session- What would you do? Controversial Cases Discussion," American Society of Regional Anesthesia Fall Meeting, San Francisco, CA
- Dec 1, 2006 "Panel Discussion: Therapeutic Applications of Non-Botulinum Neurotoxins," International Conference on Neurotoxins (ICON) 2006 Meeting, Hollywood, FL
- Dec 9, 2006 "Practical Approach to Interventional Medicine," North American Pain Forum, Rosemont, IL

Lectures by Invitation (National, and International Societies and Institutions) (cont.)

Jan 16, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Long Beach, CA
Jan 17, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Bonita, CA
Feb 1, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Pasadena, CA
Feb 16, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Fullerton, CA
Feb 21, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Monrovia, CA
March 8, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Laguna Beach, CA
March 16, 2007	“Non-Surgical Spinal Modalities,” North American Spine Society, Phoenix, AZ
March 24, 2007	“Tame the Pain,” Medtronic Neurological, Los Angeles, CA
April 11, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Westminster, CA
May 16, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Pasadena, CA
May 17, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Marina Del Rey, CA
May 23, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Fullerton, CA
May 31, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Santa Monica, CA
July 24, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Mission Viejo, CA
Aug 25-30	“Neuropathic Pain: Diagnosis and Management,” “Cancer Pain: Diagnosis and Management,” “Anatomy of the Spine,” “Neck and Back Pain: Diagnosis and Treatment,” “Painful Medical Conditions Including Critical Care,” “Anatomy of the Thorax,” “Painful Conditions of the Thorax and Abdomen,” “Pharmacology of Intrathecal Pharmacology Agents,” “Opioids and Non-Opioids,” “NSAIDs, NMDA Antagonists, Autonomic Drugs and other Miscellaneous Drugs,” “Fluoroscopy and Radiation Safety,” “Neurolysis: Cryoanalgesia, Chemical Neurolysis and RF,” An Intensive Review of the Specialty of Pain Medicine, Chicago, IL
Oct 14-16	“Cadaver Workshop: Radiofrequency Rhizotomies,” “Diagnosis and Management of Myofascial Pain,” and “Low Back Pain: The Essentials,” American Society of Anesthesiologists Annual Meeting, San Francisco, CA
Oct 26, 2007	“Changing Paradigm for Herpes Zoster Disease,” Merck & Co., Inc, Van Nuys, CA
Nov 3, 2007	“Fire and Ice: Radiofrequency Lesioning and Cryoanalgesia,” Imaging and Interventional Forum, UCLA Department of Radiological Sciences, David Geffen School of Medicine at UCLA, Santa Barbara, CA
Nov 15-18, 2007	“Botox for Pain Management: Headaches, Moderator,” “Botox for Pain Management: Myofascial Pain, Moderator,” “Special Workshop: ELVIS for Botox” (2 sessions), American Society of Regional Anesthesia and Pain Medicine Annual Pain Medicine Meeting and Workshops, Boca Raton, FL

Bibliography:

Research Publications, Peer Reviewed:

1. **Ferrante FM**, Pike EH: Malate dehydrogenase isoenzymes of liver and plasma in prepatent murine schistosomiasis mansoni. *Trans Roy Soc Trop Med* 74:795-797, 1980.
2. **Ferrante FM**, Myerson GE, Goldman JA: Subclavian artery thrombosis mimicking the aortic arch syndrome in systemic lupus erythematosus. *Arthritis Rheum* 25:1501-1504, 1982.
3. **Ferrante FM**, Orav EJ, Rocco AG, Gallo J: A statistical model for pain in patient-controlled analgesia and conventional intramuscular opioid regimens. *Anesth Analg* 67:457-461, 1988.
4. Johnson LR, Rocco AG, **Ferrante FM**: Continuous subpleural-paravertebral block in acute thoracic herpes zoster. *Anesth Analg* 67:1105-1108, 1988.
5. Rocco AG, Reisman RM, Lief PA, **Ferrante FM**: A two-person technique for epidural needle placement and medication infusion. *Reg Anesth* 14:85-87, 1989.
6. Johnson LR, Magnani BJ, Chan V, **Ferrante FM**: Modifiers of patient-controlled analgesia efficacy. I: Locus of Control. *Pain* 39:17-22, 1989.
7. Magnani BJ, Johnson LR, **Ferrante FM**: Modifiers of patient-controlled analgesia efficacy. II: Chronic pain. *Pain* 39:23-29, 1989.
8. Ferrante FM, Chan VWS, Arthur GR, Rocco AG: Interpleural Analgesia after thoracotomy. *Anesth Analg* 72:105-109, 1991.
9. **Ferrante FM**, Lu L, Jamison SB, Datta S: Patient-controlled epidural analgesia: Demand dosing. *Anesth Analg* 73:547-551, 1991.
10. Jamison RN, VadeBoncouer T, **Ferrante FM**: Low back pain patients unresponsive to an epidural injection: Identifying predictive factors. *Clin J Pain* 7:311-315, 1991.
11. Ferrante **FM**, Wilson SP, Iacobo C, Orav EJ, Lipson S: Clinical classification as a predictor of therapeutic outcome after cervical epidural steroid injection. *Spine* 18:730-736, 1993.
12. Jamison RN, Taft K, O'Hara JP, **Ferrante FM**: Psychosocial and pharmacologic predictors of satisfaction with intravenous patient-controlled analgesia. *Anesth Analg* 77:121-125, 1993.
13. Steinbrook RA, Hughes N, Fanciullo C, Manzi D, **Ferrante FM**: Effects of alkalinization of lidocaine on the pain of skin infiltration and intravenous catheterization. *Clin J Anesth* 5:456-458, 1993.
14. **Ferrante FM**, Fanciullo GJ, Grichnik KP, Vaisman J, Sacks GM, Concepcion MA: Regression of sensory anesthesia during continuous epidural infusions of bupivacaine and opioid for total knee replacement. *Anesth Analg* 77:1179-1184, 1993.
15. **Ferrante FM**, Rosinia FA, Gordon C, Datta S: The role of continuous background infusions in patient-controlled epidural analgesia for labor and delivery. *Anesth Analg* 79:80-84, 1994.

Bibliography:

Research Publications, Peer Reviewed: (cont.)

16. Jamison RN, Anderson KO, Peeters-Asdourian C, **Ferrante FM**: Survey of opioid use in chronic nonmalignant pain patients. *Reg Anesth* 19:225-230, 1994.
17. **Ferrante FM**, Barber MJ, Segal M, Hughes NJ, Datta S: 0.0625% bupivacaine with 0.0002% fentanyl via patient-controlled epidural analgesia for pain of labor and delivery. *Clin J Pain* 11:121-126, 1995.
18. **Ferrante, FM**, Paggioli J, Cherukuri S, Arthur GR: The analgesic response to intravenous lidocaine in the treatment of neuropathic pain. *Anesth Analg* 82:91-97, 1996.
19. **Ferrante FM**, Bedder M, Caplan RA, Chang H-M, et al: Practice guidelines for cancer pain management. *Anesthesiology* 84:1243-1257, 1996.
20. **Ferrante FM**: Principles of opioid pharmacotherapy: Practical implications of basic mechanisms. *J Pain Symptom Manag* 11:265-273, 1996.
21. d'Amours RH, **Ferrante FM**: Postoperative pain management. *JOSPT* 24:227-236, 1996.
22. d'Amours RH, **Ferrante FM**: Perioperative drugs and postoperative pain management. *Anesthesiology Clinics of North America* 15(2):251-268, 1997.
23. Banks PA, Hughes M, **Ferrante FM**, Noordhoek EC, Ramagopal V, Slivka A: Does allopurinol reduce pain of chronic pancreatitis? *Int J of Pancreatology* 22(3):171-176, 1997.
24. **Ferrante FM**, Kaufman AG, Dunbar SA, Cain CF, Cherukuri S: Sphenopalatine ganglion block for the treatment of myofascial pain of the head, neck and shoulders. *Reg Anes* 23:30-36, 1998.
25. Loev, MA, Varklet VL, Wilsey BL, **Ferrante FM**: Cryoablation: A novel approach to neurolysis of the Ganglion Impar. *Anesthesiology* 88:1391-1393, 1998.
26. Kim, PS, **Ferrante FM**: Cryoanalgesia: A novel treatment for hip adductor spasticity and obturator neuralgia. *Anesthesiology*, 89:534-536, 1998.
27. Rivest C, Katz JN, **Ferrante FM**, Jamison RN. Effects of Epidural Steroid Injection on Pain Due to Lumbar Spinal Stenosis or Herniated Disks: A Prospective Study. *Arthritis Care Res.* 11:291-7, 1998.
28. Meng QC, Kramer TH, Arthur GR, Kim PS, **Ferrante FM**: High-performance liquid chromatographic analysis of the 2-chloroprocaine metabolite, diethylaminoethanol, in blood and serum. *Reg Anesth and Pain Med* 24:242-245, 1999.
29. Portenoy RK, Du Pen S, **Ferrante FM**, Hassenbusch SJ, Krames E, Levy MH, Staats PS: A 15-year-old boy with Primitive Neuroectodermal tumor. *Oncology (Huntingt)* 13(5 Suppl 2):20-4, 1999.
30. Portenoy RK, Du Pen S, **Ferrante FM**, Hassenbusch SJ, Krames E, Levy MH, Staats PS: A 38- year- old man with Pancreatic Cancer. *Oncology (Huntingt)* 13(5 Suppl 2):52-7, 1999.
31. Wu, De Laney, L, **Ferrante FM**: Chronic pain management. *Current Reviews in Clinical Anes* 26:315-323, 2000.

Bibliography:

Research Publications, Peer Reviewed: (cont.)

32. McGarvey M, **Ferrante FM**, Patel R, Maljian JA, Stecker M: Irreversible spinal cord injury as a complication of subarachnoid ethanol neurolysis. *Neurology* 54:1522-1524, 2000.
33. Bennett G, Serafini M, Burchiel K, Buchser E, Classen A, Deer T, Du Pen S, **Ferrante FM**, Hassenbusch SJ, Lou L, Maeyaert J, Penn R, Portenoy RK, Rauck R, Willis KD, Yaksh T: Evidence-based review of the literature on intrathecal delivery of pain medication. *J Pain Symptom Manag* 20:S12-S36, 2000.
34. Bennett G, Burchiel K, Buchser E, Classen A, Deer T, Du Pen S, **Ferrante FM**, Hassenbusch SJ, Lou L, Maeyaert J, Penn R, Portenoy RK, Rauck R, Serafini M, Willis D, Yaksh T: Clinical guidelines for intraspinal infusion: Report of an expert panel. *J Pain Symptom Manag* 20:S37-S43, 2000.
35. **Ferrante, FM**, King, LF, Roche, EA, Kim, PS, Aranda, M, De Laney, LR, Mardini, IA, Mannes, AJ: Radiofrequency sacroiliac joint denervation for sacroiliac syndrome. *Reg Anesth and Pain Med* 26:137-142, 2001.
36. Kim PS, **Ferrante FM**: Cryoneurolysis in a Pain Practice. *Progress in Anesthesiology* 15: 127-140, 2001.
37. Wu SS, Dolan, K, **Ferrante FM**: Febrile reaction to subarachnoid baclofen administration. *Anesthesiology* 96 : 1270-1272, 2002.
38. Deer TR, Serafini, M, Buchser, E, **Ferrante FM**, Hassenbusch, SJ: Intrathecal bupivacaine for chronic pain: A review of current knowledge. *J Pain Symptom Manage* 5:196-207, 2002.
39. **Ferrante FM**: The pharmacologic management of neuropathic pain. *Seminars in Anesthesia, Perioperative Medicine and Pain* 22:168-174, 2003.
40. **Ferrante FM**, Rana MV, Ferrante, MA: Conversion disorder mimicking Dejerine-Roussy syndrome (thalamic stroke) after spinal cord stimulation. *Reg Anesth and Pain Manage*, 29: 164-167, 2004.
41. Shields DC, Palma C, Khoo LT, **Ferrante FM**. Extramedullary intrathecal catheter granuloma adherent to the conus medullaris presenting as cauda equina syndrome. *Anesthesiology* 102: 1059-1061, 2005
42. **Ferrante FM**, Bearn L, Rothrock R, King L. Evidence against trigger point injection technique for the treatment of cervicothoracic myofascial pain with Botulinum toxin type A. *Anesthesiology*; 103:337-83, 2005
43. Ko, WM, **Ferrante FM**. New onset lumbar radicular pain after implantation of an intrathecal drug delivery system: imaging catheter migration. *Reg Anesth Pain Med* 31: 363-67, 2006.
44. Cheng, MB, **Ferrante FM**. Health-related quality of life in sacroiliac syndrome: A comparison to lumbosacral radiculopathy. *Reg Anesth Pain Med* 31: 422-27, 2006.

Abstracts:

1. Kim PS, Cheung AT, **Ferrante FM**: Analgesic, preoperative and intraoperative variables predictive of outcome after bilateral bullectomy. *Reg Anesth Pain Med* 22:2S:49, 1997.
2. Kramer TH, Mannes AJ, d'Amours RH, **Ferrante FM**: Population simulation of fentanyl IV-PCA: Model validation and effect of population variability on sample size estimates. *Anesthesiology* 89:A11149, 1998.
3. Meng QC, Kramer TH, Arthur GR, Kim P, **Ferrante FM**: HPLC analysis of the 2-chloroprocaine-metabolite diethylamino-ethanol in blood using HPLC. *Anesthesiology* 89:A492, 1998.
4. Kramer TH, Kim P, Meng QC, **Ferrante FM**: The 2-chloroprocaine metabolite diethyl amino-ethanol: population pharmacokinetic analysis concentrations occurring during stepped IV infusion of 2-chloroprocaine. *Anesthesiology* 89:A1114, 1998.
5. Kim P, Kramer T, Meng QC, Arthur GR, **Ferrante FM**: The analgesic response to intravenous 2-chloroprocaine in the treatment of neuropathic pain. *Anesthesiology* 89:A1150, 1998.
6. Liao K, Liu M, Monteforte M, Mannes A, Kramer T, **Ferrante FM**: The effect of intravenous propofol on thermal pain thresholds. *Br J Anaesth* 80(S) 168-169, 1998.
7. Liao K, Liu M, Monteforte M, Mannes A, Kramer T, **Ferrante FM**: The assessment of analgesia associated with intravenous propofol. *Reg Anesth Pain Med* 23(3):107, 1998.
8. Liu M, Wittbrodt ET, **Ferrante FM**: Oral naloxone for the treatment of opioid-induced constipation. *International Anesthesia Research Society. Anesth Analg* 88: S217, 1999.
9. Aranda M, Kim P, Cordek FC, Fischer JI, Fernandes S, **Ferrante FM**: Demographics and outcome of patient-controlled epidural analgesia in patients after thoracic surgery. *Crit Care Med* 27(12)S:A407, 1999.
10. Aranda M, Kim P, Kelley JG, **Ferrante FM**: Post-thoracotomy patient controlled epidural analgesia: Should we get it right the first time? *Anesthesiology* 93:3A, Sept. 2000.
11. **Ferrante FM**, Bearns L, Rothrock R, King, L: Botulinum toxin Type A in the treatment of myofascial pain. *Anesthesiology* 97:A-439, 2002.
12. Ferrante MA, Matthews B, Meisel F, Bean L, **Ferrante FM** : Access to health care for low back: Is ethnicity a consideration? *Anesthesiology* 99: A-976, 2003.
13. Tongbai DS, Hayreh V, Rafizad A, Ferrante MA, **Ferrante FM**: The efficacy of spinal cord stimulation in lumbar spinal stenosis: a case series. *Western Anesthesia Resident's Conference*, May 7-9, 2004.
14. Julka I, Hayreh V, Ferrante FM: Osteitis Condensans Ilei. *Western Anesthesia Resident's Conference*, May 7-9, 2004.
15. Hayreh V, Mahrou R, Ferrante FM: Facet arthropathy as a pain generator in patients with same level negative discography. *Western Anesthesia Resident's Conference*, May 7-9, 2004.
16. Ko W, Ferrante M, Hayreh V, **Ferrante FM**: Ethnicity and the management of chronic low back pain. *Anesthesiology* A-992, 2004.

Bibliography:

Abstracts: (cont.)

17. Tongbai D, Hayrey V, Ferrante M, **Ferrante FM**: Determining the efficacy of spinal cord stimulation in lumbar spinal stenosis: A case series. *Anesthesiology* A-951, 2004.
18. Hayreh V, **Ferrante FM**: Facet arthropathy as a pain generator in negative discography. *Anesthesiology* A-954, 2004.
19. Barnhardt R, Hayreh V, **Ferrante FM**: Evidence against trigger point injection technique for the treatment of cervicothoracic myofascial pain with Botulinum toxin type A. Western Anesthesia Resident's Conference, April, 30, 2005.
20. Cheng M, Seltzer A, Lin JT, Sikand S, **Ferrante FM**: Quality of life in sacroiliac syndrome: A comparison to lumbosacral radiculopathy. Western Anesthesia Resident's Conference, April 30, 2005.
21. Palma C, **Ferrante FM**: Cauda equina syndrome presenting as extramedullary intrathecal catheter granuloma adherent to the conus medullaris. Western Anesthesia Resident's Conference, April 30, 2005.
22. Kim P, Palma C, Seltzer A, Lin J, **Ferrante FM**: Econometric analysis of the added value of programmability for intrathecal drug delivery systems. *Anesthesiology* A-954, 2005
23. Cheng M, Seltzer A, Lin JT, Sikand S, **Ferrante FM**: Quality of life in sacroiliac syndrome: A comparison to lumbosacral radiculopathy. *Anesthesiology* A-975, 2005
24. Katz J, **Ferrante FM**, Boye M, Brown M: Treatment with parenteral parecoxib followed by oral valdecoxib after major general surgery reduces opioid consumption and opioid-related symptoms. *Eur J Anesthesiol* 22 (suppl 34):185, 2005.
25. Katz JA, **Ferrante FM**, Neumann J, Rowinski W, Trzebicki J, Kosieradzki M, Brown MT, Boye M. Parenteral parecoxib followed by oral valdecoxib after major general surgery reduces opioid consumption and opioid-related symptoms. *Value in Health*, May/June 2005. vol 8 number 3. p.241
26. Ko, WM, **Ferrante FM**. New onset lumbar radicular pain after implantation of an intrathecal drug delivery system: imaging catheter migration. 31st Annual Regional Anesthesia Spring Meeting, April 2006.
27. Cheng MB, Seltzer A, Lin JT, Sikand S, **Ferrante FM**. Quality of life in sacroiliac syndrome: a comparison to lumbosacral radiculopathy. Western Anesthesia Resident's Conference, May 2007.
28. Lala VS, Siegel R, **Ferrante FM**. Spinal cord stimulation causing intractable diarrhea: a case report. Western Anesthesia Resident's Conference, May 2007.

Bibliography:

Editorials, Reviews, Chapters, including participation in committee reports (print or other media):

Editorials:

1. **Ferrante FM**. The experts opine. Interpleural analgesia - advantages and limitations in comparison to thoracic epidural analgesia (editorial). *Survey Anesthesiology* 23:190, 1989.
2. **Ferrante FM**. Patient-controlled analgesia. *The Medical Letter* 31:104, 1989.

Reviews:

1. **Ferrante FM**. Patient-controlled analgesia. *The Medical Letter* 31:104, 1989.
2. **Ferrante FM**: Epidural steroids in the management of spinal stenosis. *Semin Spine Surg* 1:177, 1989.
3. **Ferrante FM**: Techniques for blockade of the sympathetic nervous system. *Curr Rev Anesth* 12(1):3, 1991.
4. Grichnik KP, **Ferrante FM**: The difference between acute and chronic pain. *Mount Sinai J Med* 58:217-221, 1991.
5. **Ferrante FM**: Patient-controlled analgesia. *Anesth Clin North Am* 10:287, 1992.
6. **Ferrante FM**: Acute pain management. *Anesth Analg* 74(S):102, 1993.
7. **Ferrante FM**: Interventional pain management. *Anesth Analg* 88:1137-1138, 1996.
8. **Ferrante FM**: Management of migraine. *Reg Anesth* 21:311, 1996.
9. d'Amours RH, **Ferrante FM**: Subarachnoid and epidural neurolysis. *Tech Reg Anesth Pain Manage* 1:32-37, 1997.
10. d'Amours RH, **Ferrante FM**: Perioperative drugs and postoperative pain management. *Anesth Clin North Am* 15:251-268, 1997.
11. **Ferrante FM**: The pharmacologic management of chronic orthopedic pain. *UPOJ* 11:73-78, 1998.
12. **Ferrante FM**: Neuraxial infusion in the management of cancer pain. *Oncology* 13:30-36, 1999.
13. Kim PS, Tobias MD, **Ferrante FM**: Acute pain management of the surgical patient. *Contemporary Surgery* 55(2):82-95, 1999.
14. Delaney LR, **Ferrante FM**: Chronic pain management. *Current Rev in Clin Anes* 20(26):315-324, 2000.
15. Bennett G, Serafini M, Burchiel K, Buchser E, Classen A, Deer T, Du Pen S, **Ferrante FM**, Hassenbusch SJ, Lou L, Maeyaert J, Penn R, Portenoy RK, Rauck R, Willis KD, Yaksh T. Evidence-based review of Literature on intrathecal delivery of pain medication. *J Pain Symptom Manage*. 2000 Aug; 20(2): S12-36. Review

Bibliography:

Reviews: (cont)

16. **Ferrante FM**, Lang AM: Methodologies for experts in neurotoxin therapy: Outreach, resources, and support focus on muscular pain. The Institute for Medical Studies (on CD-ROM), 2003.
17. **Ferrante FM**: Diagnosis and Management of Myofascial Pain. Refresher Course Syllabus. American Society of Anesthesiologists Annual Meeting, October 2006.

Chapters:

1. **Ferrante FM**: Pain. In: Fitzgerald RH, Coleman SS, Gustilo RB, Murray DG, Weiland AJ, (eds). Orthopedic Knowledge Update. 3rd Ed. Park Ridge Illinois: American Academy of Orthopedic Surgeons, 1989.
2. **Ferrante FM**, Covino BG: Patient-controlled analgesia: An historical perspective. In: **Ferrante FM**, Ostheimer GW, Covino BG, (eds). Patient-Controlled Analgesia. Boston: Blackwell Scientific Publications, 1990.
3. **Ferrante FM**: Patient characteristics influencing pain relief. In: **Ferrante FM**, Ostheimer GW, Covino BG, (eds). Patient-Controlled Analgesia. Boston: Blackwell Scientific Publications, 1990.
4. **Ferrante FM**: Patient-controlled analgesia as a research tool. In: **Ferrante FM**, Ostheimer GW, Covino BG, (eds). Patient-Controlled Analgesia. Boston: Blackwell Scientific Publications, 1990.
5. **Ferrante FM**: Commentary: Patient-controlled analgesia. In: Max MB, Portenoy RK, Laska EM, (eds). The Design of Analgesic Clinical Trials. Vol 18. New York, Raven Press, 1991.
6. **Ferrante FM**, Chantigian RC, Wallace DH: Hypnosis. In: Ostheimer GW (ed). Manual of Obstetric Anesthesia. 2nd Ed. New York: Churchill Livingstone, 1992.
7. Sacks GM, **Ferrante FM**: Transcutaneous electrical nerve stimulation. In: Ostheimer GW (ed). Manual of Obstetric Anesthesia. 2nd Ed. New York: Churchill Livingstone, 1992.
8. **Ferrante FM**: Patient-controlled epidural analgesia. In: Ostheimer GW (ed). Manual of Obstetric Anesthesia. 2nd Ed. New York: Churchill Livingstone, 1992.
9. Vaisman J, Ferrante FM: Acupuncture. In: Ostheimer GW (ed). Manual of Obstetric Anesthesia. 2nd Ed. New York: Churchill Livingstone, 1992.
10. Segal MJ, **Ferrante FM**: Postoperative analgesia after Cesarean delivery. In: Ostheimer GW (ed). Manual of Obstetric Anesthesia. 2nd Ed. New York: Churchill Livingstone, 1992.
11. VadeBoncouer TR, **Ferrante FM**: Acute postoperative pain management. In: Rogers MC, Tinker JH, Covino BG, Longnecker DE (eds). Principles and Practice of Anesthesiology. St. Louis: Mosby, 1992.
12. Katz N, **Ferrante FM**: Nociception. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.

Bibliography:

Chapters: (cont.)

13. **Ferrante FM**: The autonomic nervous system. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
14. **Ferrante FM**: Anatomy of the vertebral column. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
15. **Ferrante FM**: Nonsteroidal anti-inflammatory drugs. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
16. **Ferrante FM**: Opioids. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
17. **Ferrante FM**: Patient-controlled analgesia: a conceptual framework for analgesic administration. In:
18. **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
19. VadeBoncouer TR, **Ferrante FM**: Epidural and subarachnoid opioids. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
20. **Ferrante FM**, VadeBoncouer TR: Epidural analgesia with combinations of local anesthetics and opioids. In:
21. **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
22. Chan VWS, **Ferrante FM**: Continuous thoracic paravertebral block. In: Ferrante FM, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
23. Fox JA, **Ferrante FM**: Regional anesthesia/analgesia and anticoagulation: implications for management of postoperative pain. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
24. Fanciullo GJ, **Ferrante FM**: Analgesia after orthopedic surgery. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
25. Body SC, **Ferrante FM**: Postoperative thoracic analgesia. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
26. **Ferrante FM**, Hughes N: Analgesia after abdominal surgery. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
27. VadeBoncouer TR, **Ferrante FM**: Management of a postoperative pain service at a teaching hospital. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.
28. **Ferrante FM**: α_2 -Agonists. In: **Ferrante FM**, VadeBoncouer TR (eds). Postoperative Pain Management. New York: Churchill Livingstone, 1993.

Bibliography:

Chapters: (cont.)

29. **Ferrante FM**, VadeBoncouer TR: Epidural and subarachnoid analgesia for thoracic surgery. In: Gravlee GP, Rauck RL (eds). *Pain Control in Cardiac and Thoracic Surgery*. Philadelphia: Lippincott, 1993.
30. Kehlet H, **Ferrante FM**: Postoperative pain. In: *The Scientific American Textbook of Surgery*. New York: Scientific American, 1995.
31. **Ferrante FM**: Epidural anesthesia: Part E: patient-controlled epidural anesthesia. In: Van Zundert A and Ostheimer GW (eds). *Pain Relief and Anesthesia in Obstetrics*. London: Churchill Livingstone, 1996.
32. **Ferrante FM**, Chantigian RC, Wallace DH: Hypnosis. In: Van Zundert A and Ostheimer GW (eds). *Pain Relief and Anesthesia in Obstetrics*. London: Churchill Livingstone, 1996.
33. Segal MJ, **Ferrante FM**: Analgesia after operative deliveries: Part B: specific therapies. In: Van Zundert A and Ostheimer GW (eds). *Pain Relief and Anesthesia in Obstetrics*. London: Churchill Livingstone, 1996.
34. Veloso KM, **Ferrante FM**: Chronic Pain. In: Longnecker DE, Murphy FL (eds). *Dripps, Eckenhoff and Vandam's Introduction to Anesthesia*, 9th ed., WB Saunders, Philadelphia, 1997.
35. **Ferrante FM**: Pharmacology of Local Anesthetic Agents. In: Longnecker DE, Tinker JH and Morgan GE (eds). *Principles of Practice of Anesthesiology*. Philadelphia: Mosby-Year Book, 1998.
36. **Ferrante FM**: Acute Postoperative Pain Management. In: Longnecker DE, Tinker JH and Morgan GE (eds). *Principles of Practice of Anesthesiology*. Philadelphia: Mosby-Year Book, 1998.
37. Zuckerman LA, **Ferrante FM**: Nonopioids and opioid analgesics (Chapter 8). In: Ashburn MA, Rice LJ (eds). *The Management of Pain*. Philadelphia: Churchill-Livingstone, 1998.
38. Tobias MD, **Ferrante FM**: Intravenous patient-controlled analgesia (Chapter 4). In: Fleisher LA, Prough DS, Grass JA (eds). *Problems in Anesthesia*. Philadelphia: Lippincott-Raven, 1998.
39. **Ferrante FM**: Chronic pain management. In: Schwartz AJ, Matjasko MJ, Otto CW (eds). *ASA Refresher Courses in Anesthesiology*. Vol. 26. Philadelphia. Lippincott-Raven, 1998.
40. **Ferrante FM**: Medical management of chronic shoulder pain. In: Iannotti JP, Williams, Jr, GR (eds). *Disorders of the Shoulder: Diagnosis and Management*. Philadelphia. Lippincott Williams & Wilkins, 1999.
41. Tobias MD, **Ferrante FM**: Complications of paravertebral, intercostal, and interpleural nerve blocks. In: Finucane BT (ed). *Complications of Regional Anesthesia*. Philadelphia. Churchill Livingstone, 1999.
42. Liu M, **Ferrante FM**: Chronic pain and cancer pain management: Current and future aspects. *Seminars in Anesthesia, Perioperative Medicine and Pain* 18(2):166-171, 1999.
43. Tobias, M.D. and **Ferrante FM**: Postoperative pain control (Chapter 85). In: Lanken, P.N. and Hanson, C.W. III (eds). *The ICU Handbook*, WB Saunders, 2000.

Bibliography:

Chapters: (cont.)

44. **Ferrante FM:** Diagnosis and management of myofascial pain. In: Schwartz AJ, Butterworth, JF, and Gross, JB (eds). ASA Refresher Courses in Anesthesiology. Vol. 34. Philadelphia. Lippincott Williams & Wilkins, 2006
45. **Ferrante FM:** Diagnosis and management of myofascial pain. In: Schwartz AJ, Butterworth, JF, and Gross, JB (eds). ASA Refresher Courses in Anesthesiology. Vol. 35. Philadelphia. Lippincott Williams & Wilkins, 2007
46. Hidalgo, NRA and **Ferrante, FM:** Complications of paravertebral, intercostal nerve blocks and interpleural analgesia (Chapter 7). In: Finucane BT (ed). Complications of Regional Anesthesia. Philadelphia. Springer, 2007.

Miscellaneous:

1. **Ferrante FM.** Textbook of Pain (book review). N Engl J Med 321:1346, 1989.
2. **Ferrante FM:** Q & A. Pain Management. July/August:246, 1990.
3. **Ferrante FM:** The Acute Pain Service. ASA Newsletter 55:(4):17, 1991.
4. **Ferrante FM:** Pain and Central Nervous System Disease. The Central Pain Syndromes (book review). Anesth Analg 74:320, 1992.
5. **Ferrante FM:** Practical Management of Pain (book review). N Engl J Med, 327:1181, 1992.
6. **Ferrante FM:** Task Force on Acute Pain. Management of Acute Pain: A Practical Guide. IASP Publications, 1992.
7. Scullion BF, **Ferrante FM:** Ketorolac: Novel Analgesic or Another NSAID? Medical Education. Brigham and Women's Hospital, 1994.
8. **Ferrante FM:** Postoperative Analgesia: The Role of Regional Anesthesia. ASTRA Clinical Perspectives in Regional Anesthesia, 1994.
9. **Ferrante FM:** Feeling Better Again. Medical Education. University of Pennsylvania Cancer Center, 1995.
10. **Ferrante FM:** Role of a Continuous Background Infusion with Epidural Patient-Controlled Analgesia. (Letter to Editor), Anesth and Analg 80:646-647, 1995.
11. **Ferrante FM:** Patient-Controlled Epidural Analgesia for Labor. (Letter to Editor), Anesth Analg 80:1064-65, 1995.
12. **Ferrante FM:** Interventional Pain Management (Book review). Anesth Analg 88:1137-38, 1996.
13. **Ferrante FM:** Management of Migraine (Book review). Reg Anesth 21:381, 1996.
14. **Ferrante FM:** Image-Guided Pain Management (Book review). Reg Anesth 22:492-493, 1997.

Bibliography:

Miscellaneous: (contd)

15. Kim PS, **Ferrante FM**: Pain Management versus Pain Medicine. American Society of Anesthesiologists Newsletter 62(5):16, May, 1998.
16. **Ferrante FM**: Neural Blockade in Clinical Anesthesia and Management of Pain. Third Edition (Book Review). Reg Anesth 24(4):378-379, 1999.
17. **Ferrante FM**: Recent Advances in Anesthesia and Analgesia. (Book Review). Reg Anesth 24(5):489-490, 1999.
18. **Ferrante FM**: Anesthesia Biologic Foundations. (Book Review). Reg Anesth 24(5):489-490, 1999.
19. Lacouture PG, **Ferrante FM**: Anesthesia. (Book Review). Reg Anesth and Pain Med 25(6):656-657, 2000.
20. **Ferrante FM**: Bonica's Management of Pain. (Book Review). Reg Anesth and Pain Med 26(2):187-188, 2001.
21. **Ferrante FM**: Practical Management of Pain, 3rd Edition. (Book Review). Reg Anesth and Pain Med 26(2):188-198, 2001.
22. **Ferrante FM**: Reply to Dr. Rathmell et al. Regarding Performance of Radiofrequency Sacroiliac Joint Denervation. (Letter to the Editor), Reg Anesth and Pain Med 26:(6), 592, Nov-Dec 2001.
23. Rafizad AB, **Ferrante FM**: Pain Medicine: A Comprehensive Review (Book Review). Anesthesiology 100 (4): 1044, 2004
24. Rosenquist RW, **Ferrante FM**: ASRA: Regional Society Growing All Over the World. American Society of Anesthesiologists Newsletter: 71(1): 39,41, January 2007.
25. Katz WA, Almekinders LC, **Ferrante FM**, Schnitzer, TJ, McCarberg B, Nicholson, BD: Emerging Paradigms in the Management of Musculoskeletal Pain: Focus on Osteoarthritis and Low Back Pain. Clinical Courier 24(34): 1-11, December 2006
26. Katz WA, Almekinders LC, **Ferrante FM**, Schnitzer, TJ, McCarberg B, Nicholson, BD: Current Issues in the Management of Musculoskeletal Pain: Focus on Osteoarthritis and Low Back Pain. Clinical Courier 25(2): 1-11, February 2007.
27. **Ferrante FM** and Schneider, JP: Case-Focused Management of Chronic Pain in the Clinical Setting: Low Back Pain and Fibromyalgia. Clinical Courier 25(4): 1-11, February 2007.

Books:

1. **Ferrante FM**: Ostheimer GW, Covino BG, (eds.). Patient-controlled Analgesia. Boston: Blackwell Scientific Publications, 1990.
2. **Ferrante FM**: VadeBoncouer TR, (eds.). Postoperative Pain Management. New York: Churchill Livingstone, 1993.

Audiovisual Media:

1. **Ferrante FM**: Lang AM: Methodologies for experts in neurotoxin therapy: Outreach, resources, and support focus on muscular pain. The Institute for Medical Studies (on CD-ROM), 2003.
2. **Ferrante FM**: New Frontiers in Pain Management; Part 1: NSAIDS. Virginia Commonwealth University (on CD-ROM), 2004.
3. **Ferrante FM**: Update and cases on Pharmacotherapy of Pain in Older Adults: Nonopioids. Humana Press (on CD-ROM), 2005
4. **Ferrante FM (editor)**: Neurotoxins in the Treatment of Muscle Pain. www.neurotoxininstitute.org, 2005