

Curriculum Vitae

Christopher J. Zarembinski, M.D.

Pain Management Services

Staff Anesthesiologist, Cedars-Sinai Medical Center, Los Angeles

Board Member, California Association to Aid Ukraine

Faculty, Cedars Sinai Pain Management Fellowship

Medical Consultant for the show, Dancing with the Stars

Past Member Research Committee, International Spine Intervention Society

444 S. San Vicente Blvd.

Suite 1101

Los Angeles, CA 90048

(310) 423-9600

EDUCATION

College Arizona State University, Tempe, Arizona
1976-81 B.S.E. Chemical Engineering, magna cum laude, May 1981
Tau Beta Pi

Medical University of Arizona School of Medicine, Tucson, Arizona
School M.D. June 1985

**Senior electives concentrated in cardiology and pulmonary
medical sub-specialties, including anesthesiology**

Transitional St. Joseph's Hospital
Internship Phoenix, Arizona
1985-86 General Medical Practice

**Basic training in Internal Medicine, General Surgery,
Pediatrics, and Obstetrics.**

Residency Washington University Anesthesiology Department
1986-88 St. Louis, Missouri
Anesthesiology

**Training leading to Obstetrical Anesthesiology, Chronic
and Acute Pain Management, and Regional
Anesthesiology.**

Fellowship UCLA Pain Management Center, Anesthesiology
1988-89 Department, Los Angeles, California
Anesthesiology

**Clinical experience in all areas of pain management,
including acute pain management, PCA infusion devices,
and persistent chronic pain problems.**

BOARD CERTIFICATIONS

American Board of Anesthesiology - October, 1991

Certificate of Added Qualifications in Pain Management, by the American Board of Anesthesiology - November, 1994

Re-certification of Added Qualifications in Pain Management, by the American Board of Anesthesiology - January, 2015

ORGANIZATIONS AND SOCIETIES

**North American Spine Society
International Spine Intervention Society
Expert Reviewer for the Medical Board of California (1996 to present)
American Society of Anesthesiologists
American Society of Regional Anesthesia
American and Western Pain Societies
International Association for the Study of Pain (IASP)
American Medical Association
Tau Beta Pi Honorary Engineering Society
California Association to Aid Ukraine
Wheel Chairs for Ukraine
Wheels for Humanity
Fulfillment Fund-Empowering Youth Through Education
National Committee Member for the World Congress of Minimally Invasive Spine Surgery and Techniques (WCMISSST)
International Association for Medical Assistance to Travelers (IAMAT)**

LICENSES

**California - Physician and Surgeon
Arizona - Physician and Surgeon**

HONORS AND AWARDS

**Outstanding fellowship award, UCLA Pain Management Center, June, 1989
Honorable mention, American Academy of Neurology, 23rd annual essay contest, 1984
Scholarship (academic undergraduate) and Dean's List 1978 through 1981**

**Magna cum laude, Chemical Engineering Degree, B.S.E. 1981
Grant from National Institutes of Health 1982
Grant from National Science Foundation 1979**

REFERENCES

**Steven Graff-Radford, D.D.S. (310) 423-9600
Pain Management Center
Cedars Sinai Hospital
444 S. San Vicente Blvd.
Suite 1101
Los Angeles, CA. 90048**

**Theresa Ferrer-Brechner, M.D. (310) 825-4291
Director, Pain Management Center
and Professor of Anesthesiology
University of California, Los Angeles
10833 Le Conte Avenue
Los Angeles, CA. 90024**

**William Owens, M.D. (314) 362-6973
Professor of Anesthesiology
Department of Anesthesiology
Washington University School of Medicine
St. Louis, MO. 63110**

**Necita Roa, M.D. (314) 362-6973
Associate Professor
Department of Anesthesiology
Washington University School of Medicine
St. Louis, MO. 63110**

**John Reeves, Ph.D. (310) 423-9600
Chief Psychologist
Pain Management Center
Cedars Sinai Hospital
444 S. San Vicente Blvd.
Suite 1101
Los Angeles, CA. 90048**

Robert Wright, M.D. (303) 689-2300
Denver Pain Management
7447 East Berry Avenue
Suite 150
Greenwood Village, CO 80111

Nicholas Fuller, M.D. (310) 385-7755
S & B Surgery Center
120 S. Spaulding
Suite 301
Beverly Hills, CA 90212

CURRENT EMPLOYMENT

Cedars Sinai Hospital, Los Angeles, California, 1990 to present. Pain Management Center, Department of Anesthesiology.

Consultant for Motion Picture Industry Pension & Health Plans.

Consultant for California Medical Board.

Instructor for the International Spine Intervention Society, May, 2007 to present.

Medical advisor for Orthopeutics, L.P., and Intralink-Spine Co.

Medical advisor for Hemodynamics, Inc.

Medical consultant for Dancing with the Stars, ABC Television, 2009.

Board member for California Association to Aid Ukraine, January 2010 to present.

Management Committee, General Anesthesia Specialists Partnership, January 2010 to present.

Faculty member of Cedars Sinai Pain Management Fellowship, July 2010 to present.

Research Committee, International Spine Intervention Society, September 2010 to present.

PAST EMPLOYMENT

Veterans Administration Wadsworth Hospital, Los Angeles, California, 1990 to 1998. Department of Anesthesiology. Assistant Clinical Professor of Anesthesiology, UCLA.

Assistant Clinical Professor of Anesthesiology, UCLA Department of Anesthesiology, Pain Management Center. 7/89 to 7/90.

Assistant Clinical Professor of Anesthesiology, University of Southern California Department of Anesthesiology. 7/89 to 1/90.

Staff Anesthesiologist, Huntington Memorial Hospital, Pasadena, California. 7/89 to 1/90.

Co-director of Cancer Pain Management in Salick Cancer Center, Cedars-Sinai Medical Center. 7/90 to 7/95.

Chief of Acute Pain Services at Cedars-Sinai Hospital January, 2000 to 2003.

OTHER PROFESSIONAL EXPERIENCE

Research Associate - University of California, Los Angeles, Pain Management Center. 1/89 to 4/89. Results received a special citation at the American Pain Society annual meeting on 10/89 for work titled, "Naloxone Reversibility of Dental Analgesia Produced by Auriculotherapy."

Cancer Research Associate - Stanford University, Department of Radiation Therapy. 5/82 to 8/82. NIH sponsored work, results presented at the Arizona Health Science Center Student Research Forum, March 31, 1983, under the title, "Concentrations of Adriamycin in the Liver, Brain, and Blood under Hyperthermic Conditions in Mice."

Research Associate - Arizona State University, Department of Chemical Engineering. 1/79 to 1/80. NSF sponsored work, results of which were published in the article, "Solutizers as an Adjunct to Artificial Organ Treatment for Bound Chemicals" in the Trans. of the American Society for Artificial

Internal Organs, 26:6116-119, 1980. Results were also referenced in the book, "Hemoperfusion: Kidney and Liver Support and Detoxification," Part 1., by S. Sideman and T.M.S. Chang, published in 1980 by the Hemisphere Publishing Co.

February 12, 2005. Outcome Study of Triamcinolone versus Decadron in Cervical Selective Nerve Root Blocks. Results presented at the 4th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

February 3, 2006. Update on Outcome Study of Triamcinolone versus Decadron in Cervical Selective Nerve Root Blocks. Results presented at the 5th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

May, 2006. Selection Criteria for Cervical Artificial Disc Replacement. Published in Audio-Digest Orthopaedics. Program Title: Advances in Managing Spinal Disorders. Volume 29 Issue 05. May 28, 2006. ISSN 0271-132X.

December 2006. Co-founder of www.jointvitality.com, which will bring emerging injection therapies to treat joint pain. President of JointVitality/L.A., Inc.

February, 2007. Consultant on training of international medical students with Ukraine Government through www.ukraine3000.org.ua

February 6, 2007. Abstract. Injectable Adult Stem Cells as a Novel Therapeutic Platform for Anterior and Posterior Spinal Fusion. Presented at Lende Neurosurgery Conference in Snowbird, Utah.

March, 2007. Abstract. Injectable Adult Stem Cells as a Novel Therapeutic Platform for Anterior and Posterior Spinal Fusion. Presented at American Academy of Neurological Surgeons in Phoenix, Arizona.

April, 2007. Meeting with First Lady of Ukraine to finalize program for training of international medical students at Cedars-Sinai Hospital starting July, 2007 through www.ukraine3000.org.ua

April, 2007. Meeting with First Lady of Ukraine, Kateryna Yuschenko, to explore filming documentary to provide humanitarian interest regarding children born in the Womens' Prison in Chernigov.

May, 2007. Update on Spinal Cord Stimulation. Published in Audio-Digest Orthopaedics. Program Title: Advances in Spinal Surgery. Volume 30 Issue 05. May 2007. ISSN 0271-132X.

June 6, 2007. Abstract. Injectable Adult Stem Cells as a Novel Therapeutic Platform for Anterior and Posterior Spinal Fusion. Presented at Institute for Spinal Disorders, Cedars-Sinai Medical Center.

September, 2007. Planned meeting with the Ukraine3000 International Charitable Fund in Kiev for consultation of the Children's Hospital of the Future.

September 15, 2007. Abstract. Injectable Adult Stem Cells as a Novel Therapeutic Platform for Anterior and Posterior Spinal Fusion. Presented at Congress of Neurological Surgeons Annual Meeting in San Diego, California.

January 19, 2008. Instructor for hands-on cadaver workshop. Lumbar transforaminal injection. International Spine Intervention Society. Phase I Lumbar. San Francisco, California.

February 16, 2008. Abstract. Sphenopalatine Ganglion Block compared with Stellate Ganglion Block in patients with Traumatic Trigeminal Neuralgia. Presented at the Medical and Surgical Advances in Neurology and Neurosurgery Conference, Cedars-Sinai Medical Center, Department of Neurosurgery.

June 5, 2008. Abstract. Sphenopalatine Ganglion Block compared with Stellate Ganglion Block in patients with Traumatic Trigeminal Neuralgia. Presented at the First World Congress of Minimally Invasive Spine Surgery and Techniques in Honolulu, Hawaii.

June 6, 2008. Posterior Approach for C8 Selective Nerve Root Block. Presented at the First World Congress of Minimally Invasive Spine Surgery and Techniques in Honolulu, Hawaii.

June 20, 2008. Co-author. FDA submission for intradiscal injection of cross-linked collagen.

July 12, 2008. Research Associate. Adhesive stabilization of lumbar facet joints in porcine model. Abstract pending.

July 25, 2008. Abstract. Intradiscal Injection of Stem Cells for Spinal Fusion in Porcine Model. Winner of Outstanding Basic Science Paper. Presented at the International Spine Intervention Society Annual Meeting, Las Vegas, Nevada.

July 26, 2008. Abstract. Sphenopalatine Ganglion Block compared with Stellate Ganglion Block in patients with Traumatic Trigeminal Neuralgia. Presented at the International Spine Intervention Society Annual Meeting, Las Vegas, Nevada.

September 20, 2008. Abstract and Poster. Sphenopalatine Ganglion Block compared with Stellate Ganglion Block in patients with Traumatic Trigeminal Neuralgia. Presented at the Congress of Neurological Surgeons 2008 Annual Meeting, Orlando, Florida.

October, 2008. Publication. Injectable Adult Stem Cells as a Novel Therapeutic Platform for Anterior and Posterior Spinal Fusion. Pain Medicine. Vol. 9 (7), p. 971.

October, 2008. Publication. Sphenopalatine Ganglion Block Compared with Stellate Ganglion Block in Patients with Traumatic Trigeminal Neuralgia. Pain Medicine. Vol. 9 (7), p. 971.

January 10, 2009. Lumbar sympathetic block. Instructor for hands-on cadaver workshop. International Spine Intervention Society. Phase I Lumbar Course. San Francisco, California.

January, 2009. Abstract and Poster. Sphenopalatine Ganglion Block and the Outcome to Radiosurgery. Presented at American Academy of Pain Medicine Annual Meeting, Honolulu, Hawaii.

January, 2009. Publication. Sphenopalatine Ganglion Block in Traumatic Trigeminal Neuralgia and the Outcome to Radiosurgical Ablation. Pain Medicine. Vol. 10 (1), p. 200.

May, 2009. Reference. Facial Pain. Graff-Radford, S. The Neurologist. Vol. 15 (3).

July 22, 2009. Abstract and Poster. Sphenopalatine Ganglion Block in Traumatic Trigeminal Neuralgia and the Outcome to Radiosurgical Ablation- One Year Results. Presented at International Spine Intervention Society 17th Annual Scientific Meeting, Toronto, Canada.

October 26, 2009. Abstract and Poster. Sphenopalatine Ganglion Block in Traumatic Trigeminal Neuralgia and the Outcome to Radiosurgical Ablation: 1-year Results. Top Ten Abstracts-Section on Pain. Congress of Neurological Surgeons. 2009 Annual Meeting. New Orleans, Louisiana.

January 1, 2010. Election to Management Committee, General Anesthesia Specialists Partnership at Cedars-Sinai Hospital.

October, 2010. Publication. Ipad Touch versus Skeleton to Explain Spinal Injection Procedures. Pain Medicine. Vol. 11(10), p. 1584.

December 17, 2013. Publication. An Unusual Challenge in Performing Sphenopalatine Ganglion Block with Enlarged Coronoid Process: Jacob's Disease. (Epub ahead of print). Pain Medicine.

March, 2014. Publication. An Unusual Challenge in Performing Sphenopalatine Ganglion Block with Enlarged Coronoid Process: Jacob's Disease. Pain Medicine 2014; 15: 329-332.

July 30, 2014. Poster. Intradiscal Hydrogel in Treatment of Annular Fissure. 22nd Annual Scientific Meeting. International Spine Intervention Society. Orlando, Florida.

OTHER INTERESTS

Professional: (Diagnostic/Clinical)

Regional Anesthesiology and Pain Management with emphasis of medical focus on the organic tissue damage, which includes an awareness of psychological/behavioral components of pain.

LECTURES

Spring, 1990. Appearance on NBC Today Show to discuss dorsal column stimulation.

September, 1992. Discussed pharmacologic management of cancer pain the meeting, Psychosocial Oncology, Enhancing Patient and Family Care.

July 22, 1998. Cancer & Chronic Pain Management. Senior Care Lecture Series. Cedars-Sinai Medical Center.

February 12, 2002. Faculty member. First Annual Update on Advanced Interventional Pain Management of Cedars-Sinai Medical Center.

April 17, 2002. Annuloplasty. Department of Rheumatology. Cedars-Sinai Medical Center.

May 28, 2002. Acute Pain Management. Pain Management and End of Life Care Seminar. Cedars-Sinai Medical Center.

December 6, 2002. Appearance on CBS Morning Show to discuss complications of potent narcotic administration.

February 28, 2003. Spinal Cord Stimulation. Faculty member. Second Annual Symposium on Current Concepts in Spinal Disorders. Cedars-Sinai Medical Center. Institute for Spinal Disorders.

May 9, 2003. Interview with London Times to discuss acute pain pathways in trauma.

June 14, 2003. Conservative Management of Spinal Stenosis. Community Spine Program. Faculty member. Institute for Spinal Disorders. Cedars-Sinai Medical Center.

July 16, 2003. Diagnostic Nerve Blocks in the Cervical Spine. Monthly Lecture Series. Institute for Spinal Disorders. Cedars-Sinai Medical Center.

February 5, 2004. Spinal Cord Stimulation. Faculty member. Third Annual Symposium on Current Concepts in Spinal Disorders. Cedars-Sinai Medical Center. Institute for Spinal Disorders.

August 25, 2004. Interventional Techniques in the Cervical Spine. Monthly Lecture Series. Institute for Spinal Disorders. Cedars-Sinai Medical Center.

October 9, 2004. Nonsurgical Management of Spinal Stenosis. Community Spine Program. Faculty member. Institute for Spinal Disorders. Cedars-Sinai Medical Center.

January 7, 2005. Acute Postoperative Pain Management. Cedars-Sinai Medical Center.

February 10, 2005. Nonoperative Treatment of Degenerative Disc Disease. Community Symposium on Artificial Disc Replacement and Back Pain Relief. Las Vegas, Nevada.

February 12, 2005. Spinal Injection Techniques and Patient Selection. 4th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

August 10, 2005. Cervical Spinal Injection Techniques. Institute for Spinal Disorders. Cedars-Sinai Medical Center.

August 20, 2005. Conservative Management of Spinal Stenosis. Back Pain Conference. Institute for Spinal Disorders. Cedars-Sinai Medical Center.

February 3, 2006. Selection Criteria for Cervical Artificial Disc Replacement. 5th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

June 24, 2006. Patient Indications for Spinal Injection Techniques. Acupuncture Orthopedics Seminar. Cedars-Sinai Medical Center.

September 13, 2006. Cervical Spinal Injection Techniques. Institute for Spinal Disorders. Cedars-Sinai Medical Center.

March 1, 2007. Update on Spinal Cord Stimulation. 6th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

March 1, 2007. Intradiscal Injection of Stem Cells for Spinal Fusion in Porcine Model. 6th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

January 19, 2008. Lumbar Selective Nerve Root Block. Instructor for hands-on cadaver workshop. International Spine Intervention Society. Phase I Lumbar. San Francisco, California.

January 26, 2008. Spinal stenosis, bipolar sacro-iliac joint denervation, fluoroscopically-guided joint injection, sphenopalatine ganglion block, and stem cell applications. Spondylitis Association of America. Mission Viejo, California.

February 1, 2008. Chronic neuropathic pain post spine surgery, etiology and treatment. 7th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

June 6, 2008. Cervical Selective Nerve Root Blocks. Presented at the First World Congress of Minimally Invasive Spine Surgery and Techniques in Honolulu, Hawaii.

August 13, 2008. Cervical Spine Injection Techniques. Presented at the weekly conference of the Institute for Spinal Disorders, Cedars-Sinai Hospital, Los Angeles, California.

August 13, 2008. Sphenopalatine Ganglion Block and the Outcome to Radiosurgery. Presented at the weekly conference for the Institute for Spinal Disorders, Cedars-Sinai Hospital, Los Angeles, California.

January 10, 2009. Lumbar sympathetic block. International Spine Intervention Society. Phase I Lumbar Course. San Francisco, California.

January 29, 2009. Sphenopalatine Ganglion Block and the Outcome to Radiosurgery. Eighth Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

January 29, 2009. Cervicogenic Headache: Mechanisms and Modalities. Eighth Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

January 29, 2009. Diagnostic and Therapeutic Cervical Injections. Eighth Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

January 29, 2009. Moderator for Thoracic and Lumbar Spine Pain Management Session. Eighth Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

May 18, 2009. Appearance on Dancing with the Stars, ABC Television. Treatment of Shoulder Pain.

May 19, 2009. Appearance on Dancing with the Stars, ABC Television. Treatment of Shoulder Pain.

May 21, 2009. Techniques and Complications of Cervical Spine Injections. International Intradiscal Therapy Society. Phoenix, Arizona.

May 23, 2009. Moderator for Miscellaneous Minimally Invasive Spine Section. International Intradiscal Therapy Society. Phoenix, Arizona.

October 26, 2009. Presentation. Sphenopalatine Ganglion Block in Traumatic Trigeminal Neuralgia and the Outcome to Radiosurgical Ablation: 1-year Results. Top Ten Abstracts-Section on Pain. Congress of Neurological Surgeons. 2009 Annual Meeting. New Orleans, Louisiana.

December 8, 2009. New Techniques in Nonsurgical Spine Care. Community Lecture Cedars-Sinai Hospital.

January 13, 2010. Complications of Epidural Steroid Injections. Spine Conference. Cedars-Sinai Spine Center.

February 4, 2010. Spinal Cord Stimulation-Cons. Ninth Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.

April 12, 2010. Appearance on Dancing with the Stars, ABC Television. Week 4. Treatment of Chest Wall Pain.

June 1, 2010. Complications of Epidural Steroid Injections. World Congress of Minimally Invasive Spine Surgery and Techniques. Las Vegas, Nevada.

July 17, 2010. iPod Touch versus Skeleton to Explain Spinal Injections. International Spine Intervention Society. 18th Annual Scientific Meeting. Maui, Hawaii.

October 13, 2010. Complications of Cervical Epidural Steroid Injections. Presented at the weekly conference of the Institute for Spinal Disorders, Cedars-Sinai Hospital, Los Angeles, California.

October 20, 2010. Cervical Spine Physical Exam. Lecture for Cedars-Sinai Pain Fellowship, Cedars-Sinai Hospital, Los Angeles, California.

November 8, 2010. Procedural Imaging of the Lumbosacral Spine. Lecture for Cedars-Sinai Pain Fellowship, Cedars-Sinai Hospital, Los Angeles, California.

February 5, 2011. Complications of Epidural Steroid Injections. 10th Annual Symposium on Current Concepts in Spinal Disorders 2011. Las Vegas, Nevada.

February 23, 2011. Lumbar Spine Injection Techniques. Lecture for Cedars-Sinai Pain Fellowship, Cedars-Sinai Hospital, Los Angeles, California.

April 27, 2011. USA Today. Mark Ballas' 'DWTS' journal.

May 22, 2011. Interview with Good Morning America regarding neck injury of Kym Johnson, professional dancer for Dancing with the Stars.

June 9, 2011. Sphenopalatine Ganglion Block in Traumatic Trigeminal Neuralgia and the Outcome to Radiosurgical Ablation-One Year Results. 8th Annual World Congress. International Brain Mapping and Intraoperative Surgical Planning Society (IBMISPS). San Francisco, California.

September 21, 2011. Cervical Spine Physical Exam. Lecture for Cedars-Sinai Pain Fellowship, Cedars-Sinai Hospital, Los Angeles, California.

October 21, 2011. Medications in Chronic Pain Management. Lecture for neurosurgery fellows, Spine Center, Cedars-Sinai Hospital, Los Angeles, California.

November 15, 2011. Appearance on Dancing with the Stars. ABC Television. Treatment of Ankle Sprain.

May 5, 2012. Pain Management Injections for Orofacial Pain. American Academy of Orofacial Pain. 36th Scientific Meeting. Pasadena, California.

May 15, 2012. Appearance on Extra television show. Treatment of muscle spasm.

June 24, 2012. Research consultant for Biotime. Annular Sealant Pilot Study with Hystem- in vivo porcine lumbar study.

September 14, 2012. Research consultant for Biotime. Feasibility Study: Use of Hystem in occlusion of annular puncture in ex vivo porcine lumbar study.

September 19, 2012. Cervical Spine Examination. Lecture for Cedars-Sinai Pain Fellowship, Cedars-Sinai Hospital, Los Angeles, California.

September 29, 2012. Problems of Overuse of Narcotics in Chronic Back Pain. Lecture for "State of the Art Spine Care 2012" symposium. Cedars-Sinai Hospital, Los Angeles, California.

November 7, 2012. Lumbar Spine Injections and Patient Selection. Lecture for Cedars-Sinai Pain Fellowship, Cedars-Sinai Hospital, Los Angeles, California.

March 23, 2013. Neuropathic Pain. Lecture for Current Concepts and Challenges in the Management of Pain Symposium. Cedars-Sinai Hospital, Los Angeles, California.

March 23, 2013. Injection Therapy for Headache. Lecture for Current Concepts and Challenges in the Management of Pain Symposium. Cedars-Sinai Hospital, Los Angeles, California.

July 13, 2013. What is Causing my Nerve Pain? Advances in Neurology and Neurosurgery. Community Conference. Sponsored by Department of Neurosurgery, Cedars-Sinai Medical Center. Bakersfield, California.

July 13, 2013. Head and Neck Injection Techniques. Advances in Neurology and Neurosurgery. Community Conference. Sponsored by Department of Neurosurgery, Cedars-Sinai Medical Center. Bakersfield, California.

September 27, 2013. Appearance on Kendra on Top reality TV show, "Crash Course," Discussion of stroke.

September 27, 2013. Appearance on Kendra on Top reality TV show, "Mum Mum's the Word." Discussion of stroke.

October 26, 2013. What is Causing my Nerve Pain? Advances in Neurology and Neurosurgery. Community Conference. Sponsored by Department of Neurosurgery, Cedars-Sinai Medical Center. Palm Springs, California.

October 26, 2013. Head and Neck Injection Techniques. Advances in Neurology and Neurosurgery. Community Conference. Sponsored by

Department of Neurosurgery, Cedars-Sinai Medical Center. Palm Springs, California.

November 16, 2013. Invasive “Conservative” Treatment. State of the Art Spine Care Symposium. Cedars-Sinai Medical Center. Los Angeles, California.

November 18, 2013. Appearance on Dancing with the Stars. ABC Television. Treatment of knee pain.

February 1, 2014. Intradiscal Biogel in Treatment of Annular Fissure. 13th Annual Symposium on Current Concepts in Spinal Disorders. Cedars-Sinai Spine Center. Las Vegas, Nevada.

February 1, 2014. Novel Multitined Radiofrequency Needle in Treatment of Axial Neck and Back Pain. 13th Annual Symposium on Current Concepts in Spinal Disorders. Cedars-Sinai Spine Center. Las Vegas, Nevada.

March 15, 2014. Workup of Lumbar and Cervical Pain. Current Concepts and Challenges in the Management of Pain. Cedars-Sinai Medical Center. Los Angeles, California.

March 15, 2014. Interventional Approaches in Lumbar and Cervical Pain. Current Concepts and Challenges in the Management of Pain. Cedars-Sinai Medical Center. Los Angeles, California.

June 13, 2014. Novel Hydrogel in Treatment of Annular Fissures. World Congress of Minimally Invasive Spine Surgery and Techniques. Paris, France.
November 10, 2014. Appearance on Dancing with the Stars. ABC Television. Treatment of knee pain.

November 13, 2014. Platelet Rich Plasma community lecture. Cedars-Sinai Medical Center. Los Angeles, California

November 22, 2014. Interventional Pain Management of Spine Disorders lecture. Cedars-Sinai Medical Center. Advances in Neurology and Neurosurgery 2014-Santa Barbara, CA.

November 22, 2014. What is Causing my Nerve Pain lecture. Community outreach seminar. Advances in Neurology and Neurosurgery 2014-Santa Barbara, CA.

March 30, 2015. Appearance on Dancing with the Stars. ABC Television. Assessment of rib pain.

April 20, 2015. Appearance on Dancing with the Stars. ABC Television. Diagnosis of rib abnormality.

May 30, 2015. What is Causing my Nerve Pain lecture and PRP. Community outreach seminar. Advances in Neurology and Neurosurgery 2015-Bakersfield, CA.

May 30, 2015. Head and Neck Invasive Procedures. Cedars-Sinai Medical Center. Advances in Neurology and Neurosurgery 2015-Bakersfield, CA.

June 6, 2015. Workup of Lumbar and Cervical Pain. Current Concepts and Challenges in the Management of Pain. Cedars-Sinai Medical Center. Los Angeles, CA.

June 6, 2015. Interventional Approaches. Current Concepts and Challenges in the Management of Pain. Cedars-Sinai Medical Center. Los Angeles, CA.