

## **Curriculum Vitae**

**Christopher J. Zarembinski, M.D.**

**Pain Management Services**

**Staff Anesthesiologist, Cedars-Sinai Medical Center, Los Angeles**

**Past Chief of Acute Pain Services at Cedars Sinai Medical Center**

**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 School**      **University of Arizona School of Medicine, Tucson, Arizona**  
**M.D. June 1985**
- Senior electives concentrated in cardiology and pulmonary medical sub-specialties, including anesthesiology
- Transitional Internship 1985-86**      **St. Joseph's Hospital**  
**Phoenix, Arizona**  
**General Medical Practice**
- Basic training in Internal Medicine, General Surgery, Pediatrics, and Obstetrics.
- Residency 1986-88**      **Washington University Anesthesiology Department**  
**St. Louis, Missouri**  
**Anesthesiology**
- Training leading to Obstetrical Anesthesiology, Chronic and Acute Pain Management, and Regional Anesthesiology.
- Fellowship 1988-89**      **UCLA Pain Management Center, Anesthesiology**  
**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, 2005**

## 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 (WCMISST)

## 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.  
Director, Pain Management Center  
and Professor of Anesthesiology  
University of California, Los Angeles  
10833 Le Conte Avenue  
Los Angeles, CA. 90024

(310) 825-4291

William Owens, M.D.  
Professor of Anesthesiology  
Department of Anesthesiology  
Washington University School of Medicine  
St. Louis, MO. 63110

(314) 362-6973

Necita Roa, M.D.  
Associate Professor  
Department of Anesthesiology  
Washington University School of Medicine  
St. Louis, MO. 63110

(314) 362-6973

John Reeves, Ph.D.  
Chief Psychologist  
Pain Management Center  
Cedars Sinai Hospital  
444 S. San Vicente Blvd.  
Suite 1101  
Los Angeles, CA. 90048

(310) 423-9600

Robert Wright, M.D.  
Denver Pain Management  
7447 East Berry Avenue  
Suite 150  
Greenwood Village, CO 80111

(303) 689-2300

Nicholas Fuller, M.D.  
S & B Surgery Center  
120 S. Spaulding  
Suite 301  
Beverly Hills, CA 90212

(310) 385-7755

## **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.**

## **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 4<sup>th</sup> 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 5<sup>th</sup> 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](http://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](http://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](http://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.**

#### **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. 4<sup>th</sup> 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. 5<sup>th</sup> 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. 6<sup>th</sup> 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. 6<sup>th</sup> Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada.**

**January 19, 2008. Lumbar transforaminal injection. International Spine Intervention Society. Phase I Lumbar Course. 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. 7<sup>th</sup> 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.**