

YUNG CHEN, MD

Appointments

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| <i>Faculty, Assistant Professor</i> | Stanford University School of Medicine Stanford, California 1999-2002 |
| <i>Founder / Director of Interventional Spine Center</i> | Stanford University School of Medicine Stanford, California 1999-2002 |
| <i>Founder / Director of Interventional Spine Cadaver Course</i> | Stanford University School of Medicine Stanford, California 1999-2002 |
| <i>Director of Interventional Spine Fellowship Program</i> | Stanford University School of Medicine Stanford, California 1999-2002 |
| <i>Director of Interventional Spine Medicine Core Lecture</i> | Stanford University School of Medicine Stanford, California 1999-2002 |
| <i>Interventional spine instructor</i> | ISIS International Spine intervention Society 2002-2008 |
| <i>Chief of Physical Medicine & Rehab</i> | Seton Hospital 2008, Daly City, CA |
| <i>Medical Director</i> | San Mateo Spine Center, San Mateo, CA |

Education

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| <i>Undergraduate</i> | Santa Clara University Santa Clara, California Degree: Bachelor of Arts, Biology Phi Beta Kappa; Cum Laude Year Graduated: 1990 |
| <i>Medical School</i> | Baylor College School of Medicine Houston, Texas Degree: Doctor of Medicine Year Graduated: 1994 |
| <i>Internship</i> | St. Joseph Hospital Houston, Texas Transitional Medicine 1994-1995 |
| <i>Residency</i> | Stanford University School of Medicine Stanford, California Physical Medicine and Rehabilitation Chief Resident, 1997-1998 Academic Chief Resident, 1996-1997 |
| <i>Fellowship</i> | Stanford University School of Medicine Stanford, California Interventional Spine Medicine, 1998-1999 |

MANUSCRIPT PUBLICATIONS

- The painful, degenerated intervertebral lumbar disc: Update on basic science research. Wolfer L., Derby R., **Chen Y**, ISIS News Publication in press, 2008
- Interventional Spine, Slipman, Derby, Simeone: **Chen Y** Chapter in Whiplash Cervical Spine injury in Text book by Saunders Elsevier, 2007.
- The relation between annular disruption on computed tomography scan and pressure-controlled diskography. Derby R, Kim BJ, **Chen Y**, Seo KS, Lee SH.: *Arch Phys Med Rehabil.* 2005 Aug;86(8):1534-8.
- Comparison of discographic findings in asymptomatic subject discs and the negative discs of chronic LBP patients: can discography distinguish asymptomatic discs among morphologically abnormal discs? : Derby R, Kim BJ, Lee SH, **Chen Y**, Seo KS, Aprill C *Spine J.* 2005 Jul-Aug;5(4):389-94.
- Pressure-controlled lumbar discography in volunteers without low back symptoms. Derby R, Lee SH, Kim BJ, **Chen Y**, Aprill C, Bogduk N.: *Pain Med.* 2005 May-Jun;6(3):213-21.
- A factor analysis of lumbar intradiscal electrothermal annuloplasty outcomes. Derby R, Seo KS, Kazala K, **Chen YC**, Lee SH, Kim BJ.: *Spine J.* 2005 May-Jun;5(3):256-61.
- In vitro measurement of pressure in intervertebral discs and annulus fibrosus with and without annular tears during discography. Lee SH, Derby R, **Chen Y**, Seo KS, Kim MJ.: *Spine J.* 2004 Nov-Dec;4(6):614-8.
- Temperature and thermal dose distributions during intradiscal electrothermal therapy in the cadaveric lumbar spine. Derby R, Lee SH.: Re. Kleinstueck FS, Diederich CJ, Nau WH et al. *Spine* 2003;28:1700-8. *Spine.* 2004 Mar 1;29(5):598.
- Percutaneous disc decompression in the management of chronic low back pain. **Chen Y**, Derby R, Lee SH.: *Orthop Clin North Am.* 2004 Jan;35(1):17-23. Review.
- Complications Following Cervical Epidural Steroid Injections by Interventionalists in 2003. Derby R, Lee SH, Kim BJ, **Chen Y**, Seo KS, Kazala K, Kim MJ: *Pain Physician*, 2004;7:445-449
- Non-Surgical Interventional Treatment of Cervical and Thoracic Radiculopathies. Derby R, **Chen Y**, Lee SH, Seo KS, Kim BJ: *Pain Physician*, 2004;7
- In Vitro Measurement of Pressure in the Intervertebral Disc and Annulus Fibrosus With and Without Annular Tear During Discography. Lee SH, Derby R, **Chen Y**, Kim MJ, Seo KS: *The Spine Journal* 2004; 4:614-618.
- Epidural Steroid Injection-Past, Present & Future. **Chen Y**, Derby R, Kim BJ, Lee SH: *SpineLine* 2003. 9-17.
- A Prospective Analysis of Lumbar Manometric Discography Findings in Select Participants without Low Back Symptoms. Derby R, **Chen Y**, Lee SH, Aprill C: *Pain Medicine* In process.
- Lumbar Degenerative Disc Disease. Derby R, Lee SH, **Chen Y**: *Spine Clinics* .In press.
- Discography/IDET. *Just the Facts*: Derby R, Lee SH, **Chen Y**: *Pain Medicine* In press.
- Percutaneous Disc Decompression in the Management of Chronic Low Back Pain. **Chen Y**, Derby R, Lee SH: *Orthopedic Clinics of North America* in 2004.
- Injection Therapies, Nerve Ablation and IDET for Degenerative Lumbar Conditions. Derby R, Lee SH, **Chen Y**: *Seminars in Spine Surgery on "Lumbar Disc Disease"* In press.
- Intradiscal Pressure Study of Percutaneous Disc Decompression with Nucleoplasty in Human Cadavers. Spine; **Chen Y**, Lee SH, Chen D: 2003;1;28(7):661-5
- Histologic findings of disc, end plate and neural elements after coblation of nucleus pulposus: an experimental nucleoplasty study. **Chen YC**, Lee SH, Saenz Y, Lehman NL, Spine J. 2003;3(6):466-70.

- The Accuracy of Lumbar Spine Palpation with Fluoroscopic Confirmation in Medical Disciplines. **Chen Y**, Lee SH: Archives of Physical Medicine and Rehabilitation 2001;82;9:1294
- Nucleoplasty for Chronic Discogenic Back Pain with or without Radiculopathy. **Chen Y**, Lee SH, Date E; Archives of Physical Medicine and Rehabilitation 2001;82;9:1323
- Incidence of Osteonecrosis Associated with Interventional Spine Steroid Procedures. **Chen Y**, Lee SH, Nguyen T: Archives of Physical Medicine and Rehabilitation 2001;82;9:1324
- Comparison of Intradiscal Restorative Injections and Intradiscal Electrothermal Treatment (IDET) in the Treatment of Low Back Pain. Derby R, Eek B, Kim BJ, **Chen Y**, Lee SH. Joint Bone Spine In process.
- In Vitro Measurement of Pressure in the Intervertebral Disc and Annulus Fibrosus With and Without Annular Tear During Discography. Lee SH, Derby R, **Chen YC**, Kim MJ, Seo KS. The Spine Journal In process.
- Epidural Steroid Injection-Past, Present & Future. **Chen YC**, Derby R, Kim BJ, Lee SH. SpineLine 2003. 9-17.
- A Prospective Analysis of Lumbar Manometric Discography Findings in Select Participants without Low Back Symptoms. Derby R, **Chen YC**, Lee SH, Aprill C. Spine In process.
- Histologic Findings of Disc, Endplate and Neural Elements Post Coblation of Nucleus Pulposus: An Experimental Nucleoplasty Study. **Chen YC**, Lee SH, Lehman NL. The Spine Journal 3 (2003). 466-470.
- Lumbar Degenerative Disc Disease. Derby R, Lee SH, **Chen YC**. Spine Clinics In press.
- Discography/IDET. Derby R, Lee SH, **Chen YC**. Just the Facts: Pain Medicine In press.
- Percutaneous Disc Decompression in the Management of Chronic Low Back Pain. **Chen YC**, Derby R, Lee SH. Orthopedic Clinics of North America In press.
- Injection Therapies, Nerve Ablation and IDET for Degenerative Lumbar Conditions. Derby R, Lee SH, **Chen YC**. Seminars in Spine Surgery on "Lumbar Disc Disease" In press.
- Intradiscal Pressure Study of Percutaneous Disc Decompression with Nucleoplasty in Human Cadavers. **Chen YC**, Lee SH, Chen D. Spine 2003. Apr 1;28(7): 661-665.
- Sacroiliac Joint Pain Syndrome in Active Patients: A Look Behind the Pain. **Chen YC**, Fredericson M, Smuck M. The Physician and Sports Medicine. 2002;Nov 11(30).
- Provocative Discography in Patients after Limited Lumbar Discectomy: A Controlled, Randomized Study of Pain Response in Symptomatic and Asymptomatic Subjects. Carragee EJ, **Chen YC**, Tanner CM, Truong T, Lau E, Brito JL. Spine 2000. Dec 1;25(23):3065-71.
- Can Discography Cause Long-Term Back Symptoms in Previously Asymptomatic Subjects? Carragee EJ, **Chen YC**, Tanner CM, Hayward C, Rossi M, Hagle C. Spine 2000. Jul 15;25(14):1803-8.
- Intradiscal Electrothermal Annuloplasty (IDET): A Novel Approach for Treating Chronic Discogenic Back Pain. R. Derby, Eek B, **Chen YC**. Neuromodulation 2000. April 3 (2), 82-88.

MEDIA

- Time magazine: Innovative Spinal devices, Nucleoplasty Sept 03, 2001
- TV interviews: KRON
- World Journal News Papers 2001-2006

Teaching

- Interventional Spine Injection Society instructor, 2002-2008
- Stanford Undergrad Human Biology, Sports Medicine Feb, 2001
- Stanford Undergrad Human Biology, Research Internship, 2000,2001
- Core Lecture Series on Pain Medicine (Stanford), April 1999-2001
- Core Lecture Series on Spine Medicine (Stanford), Feb 1999, 2000, 2001
- Spine Anatomy
- Spine Pathology
- Spine Pathophysiology
- Spine Radiology
- Spine and Musculoskeletal History and Physical
- Spine Diagnosis and Treatment
- Spine Research
- Interventional Spine Medicine
- Spine Grand Rounds and Invitation of Speakers (Stanford), Feb. 99-01
- Introduction to Written Board Examinations, July 1998, 1999, 2000, 01
- Residents Outpatient Clinic Teaching (Stanford), 1998- 2001
- Residents Electro Diagnostic Medicine Teaching (Stanford), 1998-2001
- Medical Students/ Residents In-Patient Rehabilitation Bedside Teaching
- Supervision of Resident's Research (Stanford)
- Interventional Spine Injection (Stanford), 1998,1999
- Orthopedic Spine Fellow and PM&R Resident (Stanford)
- Development of Core PM&R Didactic Series (Stanford), 1996-1998
- Musculoskeletal Anatomy (Stanford), 1996-1998
- Nervous System Anatomy (Stanford), 1996- 1998
- Geriatric Rehabilitation (Stanford), 1996
- Multiple Sclerosis and Rehabilitation (Stanford), 1997
- Brachial Plexus Anatomy (Stanford), 1996-1998
- Introduction to Basic EMG/NCS (Stanford), 1997-1998
- Hands on Practice on EMG/NCS (Stanford), 1997-1998
- Pearls on On CALL for Acute SCI (Stanford), 1996-1998
- Pearls on On CALL for TBI Rehabilitation (Stanford), 1996-1998
- Guillain-Barre Rehabilitation (Stanford), 1997
- Mechanical Ventilation in SCI (Stanford), 1997-1998
- Knee and Shoulder Examination (Stanford), 1998
- Trigger Point (Stanford), 1997
- Upper Extremity Orthosis (Stanford), 1997-1998
- Musculoskeletal Examinations (Stanford), 1997-1998
- Tai Chi and Rehabilitation, 1997-1998
- Medical Acupuncture in Ph (Stanford), 1997
- Interventional Spinal Injection Techniques (Stanford), 1997-1999
- Musculoskeletal Radiology (Stanford), 1997-1999
- Spine Radiology (Stanford), 1998-1999

Board Certification and Medical Licensure

- Interventional Spine Medicine, Pain Medicine, Subspecialty Board, September 2000
- Diplomate of Physical Medicine and Rehabilitation, May 1999
- State of California Medical License A054788
- Acupuncture UCLA certified 2004

Academic Courses

- Interventional Spine instructor (USA, Asia) 2002 - 2008
- Physician Clinical Exchange with Andrew Blumenfeld, MD: Botulinum Toxin Type A (BoNT/A) – Headache Update 2004. San Francisco, CA. April 23, 2004.
- Naval Health Sciences Center (NHSC) of Naval Medical Center San Diego (NMCS D) 5th Annual Interventional Pain Management Workshop. San Diego, CA. February 6-8, 2004.
- American Association of Electrodiagnostic Medicine/IFCN Joint Scientific Meeting. San Francisco, CA. September 16-20, 2003.
- American Society of Radiologic Technologists Home Study Course: Patient Education: Communicating Radiologic Risks. Albuquerque, NM. September 5, 2003.
- American Society of Radiologic Technologists Home Study Course: Radiation Protection of Personnel & Patients. Albuquerque, NM. September 5, 2003.
- American Society of Radiologic Technologists Home Study Course: Pharmacology for the RT: Part 3 Adverse Reactions. Albuquerque, NM. September 5, 2003.
- Maricopa Integrated Health System and Spinal Diagnostics & Treatment Center Soft Tissue Injuries of the Spine. San Francisco, CA. July 18-19, 2003.
- California Society of Physical Medicine & Rehabilitation Annual Meeting. San Diego, CA. June 6-8, 2003.
- American College of Sports Medicine Annual Meeting. San Francisco, CA. May 28-31, 2003.
- Stanford Interventional Pain/Spine Procedures, Cadaver Course. Stanford, CA. April 6-7, 2002
- Advanced Neuromodulation Systems (ANS): Spinal Cord Stimulator. Stanford Interventional Spine Cadaver Course: Temporary and Permanent Spinal Cord Stimulator Placement. Stanford, CA. July 21, 2001.
- Stanford Interventional Pain/Spine Procedures, Cadaver Course. Stanford, CA. June 2-3, 2001

Awards

- 2001 NASS Outstanding Poster Award. Outcomes of Intradiscal Electrothermal Therapy as a Treatment for LBP: A Prospective Comparison of IDET Versus Two Control Groups. 16th Annual North American Spine Society Meeting, October 31-November 3, 2001
- Outstanding PM&R Teaching Award, 2000-2001, Stanford PM&R University School of Medicine
- Presidential Outstanding Poster Research Award: Accuracy of Needle Placement In Shoulder Injection. Y Chen, M.D., E. Date, M.D., 62nd Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, November 14, 2000, San Francisco.
- 1999 NASS Outstanding Paper Award: Provocative Discography in Patients after Limited Discectomy. E. Carragee, M.D., Y. Chen, M.D., 14th Annual North American Spine Society Meeting, October 20-23, 1999, Chicago

Professional Memberships

- North American Spine Society
- International Spinal Injection Society
- American Academy of Physical Medicine and Rehabilitation
- PASSOR

Languages Spoken

- English
- German
- Chinese