

**DEPARTMENT OF ORTHOPAEDIC SURGERY**

UCI SCHOOL OF MEDICINE  
 UCI MEDICAL CENTER, PAVILION III  
 101 THE CITY DRIVE SOUTH  
 ORANGE, CA 92868

**CURRICULUM VITAE**

**Charles David Rosen, M.D.**  
**Clinical Professor of Orthopaedic Surgery**  
**Spine Surgery**

EDUCATION

Regents Honors Graduate  
 Harrison, New York June 1972

University of Pennsylvania,  
 Cum Laude, June 1977  
 Philadelphia, Pennsylvania B.A. 1972-1977  
 Entered under EARLY ADMISSIONS PROGRAM from  
 Junior High at Harrison High School

University of California, San Diego  
 La Jolla, California M.D.  
 1979-1983

Santa Barbara Cottage Hospital,  
 Santa Barbara, California  
 Internship General Surgery 1983-1984

Hospital for Joint Diseases Orthopaedic Institute, Orthopaedic  
 New York, New York Residency Surgery 1984-1988

Rancho Los Amigos Medical Center, Spine Surgery &  
 Downey, California Fellowship Rehabilitation 1988-1989

LICENSES AND CERTIFICATIONS

Diplomat, American Board of Orthopaedic Surgeons 1991  
 California Medical License G-53395 1984

PRINCIPAL POSITIONS HELD

Clinical Professor of Surgery  
Department of Orthopaedic Surgery  
University of California, Irvine, School of Medicine 2007-present

Associate Editor: Ethics in Biology, Engineering, and Medicine. 2010-present  
Begell House Pub.

Conference Advisory Board: American Society of Mechanical Engineers 2010-present

Haitian Relief - Project Medishare volunteer –Port Au Prince, Haiti 3/13 – 3/21/2010

Medical Student Mentor and Contributor American Medical Association 2009  
Journal of Ethics

Member of national Blue Cross Blue Shield Expert Panel Roster for devising guidelines 2009  
for Blue Distinction Centers for Spine Surgery nationally

Member: Conflict of Interest Committee, University of California, Irvine,  
School of Medicine 2008-present

President and Founder, Association for Medical Ethics.  
Website: EthicalDoctor.org 2008-present

President and Founder, Association for Ethics in Spine Surgery. 2006

University of California, Irvine  
UCI Spine Center Founding Director 2002-present

University of California, Irvine  
Department of Orthopaedic Surgery  
Assistant Clinical Professor of Surgery 1995-1999  
Associate Clinical Professor of Surgery 1999-2007

Rancho Los Amigos Medical Center  
Spinal Injury Service  
Downey, California  
Attending Physician, Consultant Specialist 1989-1992

University of Southern California School of Medicine  
Los Angeles, California  
Clinical Instructor of Orthopaedics 1989-1992

Garden Grove Hospital  
Garden Grove, California  
Chief of Surgery

1998-2000

### HOSPITAL AFFILIATIONS

University of California, Irvine Medical Center  
Orange, California  
Attending Physician, Active Class I

### HONORS AND AWARDS

*U.S. Surgeon General short list for nomination by Obama administration in December 2008*

#### *Albert M. Betcher Scholarship Award*

Fellowship Study in Orthopaedic Surgery,  
Hospital for Joint Diseases Orthopaedic Institute  
New York, New York

#### *Robert Hamburger Memorial Thesis Award*

Runner-up for Senior Medical School Thesis, 130 papers submitted,  
“Education in Medical School”  
University of California, San Diego  
School of Medicine  
La Jolla, California

#### *National Gold Medal in Figure Skating (Ice Dancing)*

Trained with the United States Olympic Team Coach (1972-1975),  
winning numerous medals in competition. Appeared twice on ABC's Wide World of Sports.

### MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Fellow, American Academy of Orthopaedic Surgeons  
Fellow, American College of Surgeons  
North American Spine Society  
Sports Medicine Committee, United States Figure Skating Association  
Western Orthopaedic Association  
California Orthopaedic Association

PRESENTATIONS

- Blue Cross / Blue Shield National CMO Meeting – Chicago, IL  
PRESENTATION – Bringing Care Back into Healthcare October 2009
- U.S. Senate: Special Committee on Aging  
Washington, DC  
CONGRESSIONAL TESTIMONY: Physicians’ Payment  
Sunshine Act sponsored by Sen. Grassley (R-IA) and Sen. Kohl (D-W) January 2008
- UC Regents: Symposium – Conflicts of Interest  
Oakland, CA  
PRESENTATION – Conflicts of Interest in Medicine. June 2008
- 4<sup>TH</sup> Frontiers in Biomedical Devices Conference June 8-9, 2009  
Irvine, CA  
Session Chair and Speaker: “Ethics in Orthopaedics”  
PRESENTATION- Spine Arthroplasty and Ethics
- American Society of Interventional Pain Physicians (ASIPP) February 2009  
Washington, DC  
KEYNOTE OPENING SPEAKER – The Evolution of Ethics and Disclosure
- Orthopaedic Research Society (ORS) February 2009  
Las Vegas, Nevada  
PRESENTATION-Poster: Lumbar Disc Replacement Failures: Review of 29 Patients:  
Rationale for Revision.
- Orthopaedic Research Society (ORS) February 2008  
San Francisco, California  
PRESENTATION – Poster: New Method for Determining the Axial Center of  
Rotation in the Thoracic and Lumbar Spine
- American College of Surgeons Annual Meeting- 93<sup>rd</sup> Clinical Congress  
New Orleans, Louisiana  
PRESENTATION: Industrial Ties: Ethical Relationships for Surgeons  
October 2007

American Academy of Minimally Invasive Spine Surgery and Medicine  
Shanghai, China  
PRESENTATION: Artificial Lumbar Discs, the FDA, and a New Model of  
Spine Motion  
March 2007

Western Orthopaedic Association Meeting  
Orange, California  
PRESENTATION: Artificial Lumbar Discs, the FDA, and A New Model  
of Spine Motion  
September 2006

UCI Department of Orthopaedic Surgery Graduate Research Forum  
Orange, California  
PRESENTATION: Percutaneous pre-sacral approach and method for  
lumbo-sacral fusion  
June 2006

North American Spine Society  
Monterey, California  
Rosen, et al.  
PRESENTATION: The Lumbar Facet Fracture as a Source of Pain after  
Lumbar Laminectomy.  
August 1990

American Spinal Injury Association  
Orlando, Florida  
Rosen, et al.  
PRESENTATION: The Lumbar Facet Fracture as a Source of Pain after  
Lumbar Laminectomy.  
May 1990

American Spinal Injury Association  
Las Vegas, Nevada  
Garland, Rosen, et al.  
PRESENTATION: Bone Mineral Distribution Five Years or More After  
Spinal Cord Injury.

American Academy of Orthopaedic Surgeons, Federation of Spine Associate Meeting  
San Francisco, California  
Rosen, et al.  
PRESENTATION: A Retrospective Analysis of the Efficacy of Epidural  
Steroid Injections.

SYMPOSIUMS SPONSORED

Ethics: The Role of Industry and Academia – Univ. of CA, Irvine, School of Medicine  
Organized 1 day symposium of 12 speakers from Senate, DOJ, research, ethics, and industry.  
Created “Ethical Rules of Disclosure” under joint collaboration of speakers.

June 2009

### CITATIONS

Orthopaedic Knowledge Update, Three, 1990: Cited and summarized under lumbar spine section, Rosen, et al., *A Retrospective Analysis of the Efficacy of Epidural Steroid Injections.*” Clinical Orthopaedics and Related Research, Vol. 228, March 1988, pp 270-273.

### PUBLICATIONS

- Rosen C. “*New Devices and Truly Informed Consent*”. Virtual Mentor – AMA J. of Ethics 2010; 12:73-76. <http://virtualmentor.ama-assn.org/2010/02/ccas1-1002.html> Accessed February 1, 2010.
- . Charles Rosen, Douglas Kiester, Thay Q. Lee: “*The Potential Biomechanical Etiology for Lumbar Disc Replacement Failures: Review of 29 Patients and the Rationale for Revision*”. ORTHOPAEDICS October 2009
- C. Rosen & D. Kiester : “*Lumbar Disc Replacements, the FDA , and A New Model of Lumbar Spine Motion*” . The Internet Journal of Minimally Invasive Spinal Technology. 2007 Volume 1 Number 1
- 2. Tehranzadeh, J., Ton, JD, Rosen, C., “*Advances in Spinal Fusion.*” Seminars in Ultrasound CT and MRI, Vol. 26, No. 2, April 2005, pp103-113.
- Garland, Rosen, et al., “*Osteoporosis after Spinal Cord Injury.*” Journal of Orthopaedic Research, Vol. 10, No. 3, 1992, pp 371-378.
- Rosen, et al., “*Lumbar Facet Fracture as a Possible Source of Pain after Lumbar Laminectomy,*” Spine, V. 16, No. 62, pp 234-238.
- Stewart, Rosen, et al., “*Heterotopic Ossification Effect on Dual Photon Absorptiometry of the Hip.*” Clinical Nuclear Medicine, October 1990, Vol. 15, No. 10, pp 697-700.
- Rosen, et al., “*A Retrospective Analysis of the Efficacy of Epidural Steroid Injections.*” Clinical Orthopaedics and Related Research, V. 228, March 1988, pp 70-.
- Garland, Rosen, et al., “*Bone Mineral Distribution Five Years or More after Spinal Cord Injury.*”

Journal of Nuclear Medicine. V. 30, No. 5, May 1989, p 857.

- Sharnoff, Rosen, et al., "*Prevention of Fatal Pulmonary Thromboembolism by Small Dose Heparin Prophylaxis.*" The British Journal of Clinical Practice, V. 35, November 1981, pp 390-392.

SUBMITTED FOR PUBLICATION

Rosen, Charles; Lee, Thay, et al; New Method for Determining the Axial Center of Rotation in the Thoracic and Lumbar Spine. Submitted Sept. 07 to Orthopaedic Research Society (ORS).

LAY PRESS

The Atlantic – The Medical–Industrial Complex – 6/29/10

PROFILE - “From Outcast to Surgeon General” Orange County Register , 1/09/09

PROFILE – Business Week 5/9/08 “Doctor vs. Device Makers”

Good Housekeeping –“ Low Back Pain “ 1/1/09

Wall Street Journal, 6/7/05 “J & J’s New Device For Spine Surgery Raises Questions” R. Rundle

The Street.com, 5/5/05 “J & J Discs Face Backlash” M. Davis

The Chicago Sun Times, 11/8/05 “Will Surgery Stop Your Back Pain?” J. Ritter

The Orange County Register, 2/15/05 “Back Surgery Evolves” M. Saar

Newsday, 10/11/05 “Artificial Disc Brings Mixed Results for People Suffering with Back Pain” J. Talan

Health Point .com 5/27/05 “ An Interview with Dr. Charles Rosen on Artificial Disc Clinical Trials” J. McCormick, The Street.com, 12/22/05 “Hope Slips for Disc Implants” M. Davis

The Gray Sheet, 2/6/06 “FDA Questioned on Prodisc” Vol 32, no. 6

MD Magazine, Feb 2006, “The UCI Spine Center-Dr. Charles Rosen, Founding Director” Cover story by R. Stillman

The Orange County Register, 4/14/06, "OC Doctors Disagree over Implants" B. Bernhard.

The Street.com, 6/4/06 "Suits Target J & J Discs" M. Davis

Book Chapter – "Money Driven Medicine" by M. Mahar. Published by Collins 2006. Ch 8. "Device Makers, Drugmakers, and the FDA."

USA Today, 7/25/06 "Artificial Spinal Disc generates controversy"

The Los Angeles Times, 8/1/06, "Artificial Disc Recipients Take Legal Steps"

The New York Times, 12/30/06, "Side Effects: The Spine as Profit Center"

The Orange County Register, 3/6/07, "Don't blame age for your bad back"

The Monterey Herald.com, 3/17/07, "Lots of reasons for back pain"

Chicago Tribune, 3/27/07, "Sore back can be a world of real hurt"

## EMPLOYMENT

Head Tennis Instructor Hercules Country Club June to August Wilmington, Delaware	1970-1973
Saltaire Yacht Club June to August Saltaire, New York	1970-1973
Darien Figure Skating Club Darien, Connecticut	1977-1979
Professional Figure Skating Instructor Rye Figure Skating Club Rye, New York	1977-1979

## SKILLS AND ACTIVITIES

### *Languages*

Knowledge of Spanish. Conversational French - two months working in a Paris hospital during

fourth year of medical school.

*Piano*

Studied for eight years, ages 8 to 16.

*Sports*

Skiing. Tennis. Figure skating.