# Rolando F. Roberto, M.D.

**Clinical Interests** Rolando F. Roberto specializes in adult and pediatric spine surgery. He treats diseases of the spine, including scoliosis, lumbar spinal stenosis, herniated discs of the cervical and lumbar spine, in patients from birth though advanced age. Roberto's research focuses on brace treatment of scoliosis, modern surgical methods of scoliosis treatment, and treatment of spinal trauma. He is fluent in Spanish.

**Title** Associate Clinical Professor
Orthopaedic Residency Program Director

**Specialty** Orthopaedic Surgery - Spinal Disorders

**Department** Orthopaedic Surgery

**Division** Orthopaedic Surgery

**Center/Program Affiliation** Spine Center

**Address/Phone** Cannery Building, Spine Center, 3301 C St. Suite 1500 Sacramento, CA 95816
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**Languages** Spanish

**Education** M.D., UC Irvine College of Medicine, Irvine, California, 1989
B.S., UC Irvine, Irvine, California, 1985

**Internships** University of Illinois, Chicago, Illinois, 1989-90

**Residency** University of Illinois, Chicago, Illinois, 1990-94

**Fellowships** Minnesota Spine Center, Minneapolis, Minnesota, 1994-95

**Board Certifications** American Board of Orthopaedic Surgery, 1997
American Board of Orthopaedic Surgery, recertification, 2007

**Professional Memberships** American Academy of Orthopaedic Surgeons
North American Spine Society
Scoliosis Research Society

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## Honors and Awards

Outstanding Faculty Award, Department of Orthopaedic Surgery, UC Davis Medical Center, Sacramento, 2010

Outstanding Faculty Award, Department of Orthopaedic Surgery, UC Davis Medical Center, Sacramento, 2005

Outstanding Faculty Award, Dept. of Orthopaedics, University of Arizona. Teaching award conferred by graduating residents., 2002

Outstanding Faculty Award, Dept. of Orthopaedics, University of Arizona, 2000

President's Undergraduate Fellowship Recipient. National award funding research of DNA sequence analysis of D. melanogaster dopa decarboxylase gene., 1984

## Select Recent Publications

1. Enoch Leung, Nesrin Sarigul-Klijn, Rolando Roberto, Characterization of Irregular stress distributions induced by klippel feil syndrome, Proceedings of the ASME International Mechanical Engineering Congress Exposition, IMECE2011-63343, November 11-17, 2011, Denver, Colorado, USA, 2011

2. Roberto, R. Fritz, A. Hagar, Y. Boice, B. Skalsky, A. Hwang, H. Mitsunaga, K. Beckett, L. McDonald, C. Gupta, M. the Natural History of Cardiac and Pulmonary Function Decline in Patients with Duchenne Muscular Dystrophy. Spine.36(15) E1009-1017. July 2011.

3. Roberto RF. McDonald T, Curtiss S, Neu CP, Kim K, Pennings F, "Kinematics of Progressive Circumferential Ligament Resection (Decompression) in Conjunction with Cervical Disc Arthroplasty in a Spondylotic Spine Model. Spine 35 (18) 1676-83. August 2010

7. Huang, P., MD, PhD, Sarigul-Klijn, N., PhD, Hazelwood, S., PhD, Gupta, M. MD, Roberto, R., MD. Design of Biomechanical testing methods and metrics to evaluate the performance of synthetic spinal implants versus bone graft for Lumbar Corpectomy. Journal of Biomechanics, 2008.

8. Dezfuli, B. Roberto, R.; Spondylolysis Effects and Repair in A Calf Spine Model.:January 2007 - Journal of Investigative Medicine: Volume 55 - Issue 1 - p S154February 3, 2007

9. Porter, S, Roberto, R. A Retrospective Review of the Anterior and Posterior Approaches To Subaxial Cervical Dislocations and Fracture Subluxation, Journal of Investigative Medicine 54(1) S115 Jan 2006.

Szivek JA, Roberto RF, Margolis OS. In vivo strain measurements from hardware and lamina during spine fusion. J Biomed Mater Res B Appl Biomater, 75(2): 243-50. 2005

Lewicky YM, Roberto RF, Curtin SL. The unique complications of coccidioidomycosis of the spine: a detailed time line of disease progression and suppression. Spine, 29(19): E435-41. 2004

Szivek JA, Roberto RF, Slack JM, Majeed BS. An implantable strain measurement system designed to detect spine fusion: preliminary results from a biomechanical in vivo study. Spine, 27(5): 487-

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