

RAYSHAD OSHTORY, M.D., M.B.A.

PACIFIC HEIGHTS SPINE CENTER
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Education and Training

Stanford/St Mary's Combined Spine Fellowship Program <i>Orthopaedic Spine Surgery Fellow, Clinical Instructor</i>	San Francisco and Palo Alto, CA August 2008 – July 2009
Stanford University Medical Center <i>Orthopaedic Surgery Residency Training Program</i>	Palo Alto, CA June 2003 – June 2008
UCLA School of Medicine <i>M.D.</i>	Los Angeles, CA June 2003
The Anderson School at UCLA <i>M.B.A.</i>	Los Angeles, CA June 2003
Massachusetts Institute of Technology <i>B.S. Mechanical Engineering, minor in Biology, concentration in Economics</i>	Cambridge, MA June 1998

Honors and Awards

Patient's Choice Award	2010, 2012
Alpha Omega Alpha Medical Honor Society	May 2003
Dean's List and Anderson Business Honor Society, The Anderson School at UCLA	2001-2002
Venture Fellow, The Anderson School at UCLA	May 2002-June 2003
Best New Medical Device Award, MIT Bioengineering	May 1998
MIT Representative to Smithsonian Institute Annual Conference on Innovation	March 1998
Tau Beta Pi and Pi Tau Sigma engineering honor societies, MIT	August 1995 – May 1998
MIT Representative to International Design Contest	August 1996
Thomas Arkle Clark Award, highest award offered by Alpha Tau Omega Fraternity	May 1998
Alpha Tau Omega Community Service Award, two-time recipient	December 1994, May 1996
MIT Varsity Waterpolo, letter recipient	December 1997
MIT Division I Heavyweight Crew, First Boat	Spring 1995

Publications and Presentations

Cheng I, Mayle RE, Cox CA, Park DY, Smith RL, Corcoran-Schwartz I, Ponnusamy KE, **Oshtory R**, Smuck MW, Mitra R, Kharazi AI, Carragee EJ. Functional assessment of the acute local and distal transplantation of human neural stem cells after spinal cord injury. *Spine J.* 2012 Nov;12(11):1040-4.

Oshtory R, Lindsey DP, Giori NJ, Mirza FM. Bioabsorbable Tricalcium Phosphate Bone Cement Strengthens Fixation of Suture Anchors. *Clin Orthop Relat Res.* 2010 Jun 3.

Oshtory R, Zucherman J, Hsu K, Kondrashov D, Nosova E, Rolfe K. X-stop implantation effectively treats neurogenic claudication caused by lumbar degenerative spondylolisthesis. Presented at Spine Arthroplasty Society, World Congress on Minimally Invasive Spine Surgery and Techniques, and North American Spine Society Annual Meetings 2010.

Oshtory R. Stem Cells in Spinal Cord Injury. Stanford University Medical Center Department of Orthopaedic Surgery Grand Rounds, February 2008

Cheng I, **Oshtory R**, Wildstein MS. The role of osteobiologics in spinal deformity. *Neurosurg Clin N Am.* 2007 Apr;18(2):393-401. Presented at Stanford University Medical Center Department of Orthopaedic Surgery Grand Rounds, February 2007

Carragee E, Klapper J, Schaufele M, Karppinen J, Levine J, Shabe P, Botwich W, Miller B, Huff F, **Oshtory R**, Moreadith R, Schmidt W. Oral REN-1654 in sciatica: a Phase 2, randomized, double-blind, placebo-controlled,

multi-center study in subjects with pain due to lumbosacral radiculopathy. Presented in Best Papers session at North American Spine Society annual meeting in Seattle, WA, September 2006

Shepard M, Wang J, **Oshtory R**, Yoo J, Kabo JM. Enhancement of pedicle screw fixation through washers. *Clinical Orthopaedics and Related Research*. 2002 Feb;(395):249-54.

Oshtory R, Daniels E. Managing medicine: a new breed of medical businessperson is needed for the 21st century. *Western Journal of Medicine*. 2001 Jul;175(1):58.

Work Experience

SpineCare Medical Group

Daly City, CA

Complex Orthopaedic Spine Surgeon

November 2014 – Present

- Recruited to perform complex and minimally invasive spine surgery on behalf of a group of three other spine surgeons
- Cases typically include multilevel degenerative deformities and corpectomies for tumors and infections
- Actively engaged in practice development and surgical practice

Pacific Heights Spine Center

San Francisco, CA

Founder, Orthopaedic Spine Surgeon

April 2011 – Present

- Launched solo private orthopaedic spine practice
- Actively engaged in practice development and surgical practice
- Conducting clinical research and data collection

Post Street Orthopaedics and Sports Medicine

San Francisco, CA

Orthopaedic Spine Surgeon

September 2009 – March 2011

- Private practice spine surgery
- Member of 6-surgeon multi-specialty orthopaedic practice

Alta Partners/USGI Medical

San Francisco and San Clemente, CA

Summer Associate

Summer 2002

- Evaluated business plans of early stage medical device companies for possible venture investment by Alta Partners, a top-ranked life-science venture capital firm
- Analyzed device concepts through extensive medical research, market research and diligence calls
- Assisted in design and prototyping of a novel device for use in colonoscopy for USGI Medical
- Conducted financial analysis of comparative companies for use in seeking and structuring Series B funding for USGI Medical

Booz·Allen & Hamilton, Inc.

New York, NY

Consultant, Operations Management Group

Summer 1997

- Assisted in operational overhaul of Washington, DC Metropolitan Police Department
- Analyzed resource utilization and built a computerized staffing model for the 911 Call Center using Excel
- Developed a Differential Response model for police calls for service using Access
- Overall recommendations to the Department increased efficiency and reduced crime rates by 25-35%

Research Experience

St. Mary's Spine Center

San Francisco, CA

Researcher and Clinical Fellow

August 2008 – October 2010

- Engaged in clinical study evaluating effectiveness of the X-stop Interspinous Process Decompression device in treating lumbar spondylolisthesis
- Accepted as poster presentation for Spine Arthroplasty Society annual meeting April 2010
- Presented at World Congress on Minimally Invasive Spine Surgery and Techniques June 2010
- Accepted as poster presentation for North American Spine Society annual meeting October 2010

Stanford University Department of Orthopaedic Surgery

Palo Alto, CA

Researcher, Division of Spine Surgery

June 2006 – July 2009

- Participated in study evaluating human neuronal stem cells used to treat spinal cord injury in rats
- Directly involved in animal experimentation, observation and testing

- Presented as poster at AAOS 2011, CSRS 2010
- Published in *The Spine Journal*, November 2012

Researcher, Division of Spine Surgery

March – July 2006

- Authored manuscript for randomized, double-blind, placebo-controlled trial of an oral TNF- α inhibitor used to treat radicular pain related to herniated nucleus pulposis in human subjects
- Presented findings in Best Papers session at North American Spine Society annual meeting in Seattle, WA, September 2006

Stanford University/VA Palo Alto Bone and Joint Center

Palo Alto, CA

Researcher, Musculoskeletal Biomechanics Laboratory

July 2005 – March 2008

- Conducted biomechanical study investigating augmentation of suture anchor fixation using bioabsorbable cement
- Used Materials Testing Systems to quantify pull-out strength of various constructs
- Published in *Clinical Orthopaedics and Related Research*, June 2010

UCLA Department of Neurosurgery

Los Angeles, CA

Researcher, Brain Injury Research Center

Summer 1999

- Conducted groundbreaking study of cerebral metabolism following traumatic brain injury
- Utilized extensive digital image manipulation and analysis, software engineering, and statistical data analysis to improve understanding of brain injury mechanisms and evaluate possible therapeutic interventions
- Presented preliminary findings to panel of academic judges at conclusion of Short Term Training Program, August 1999

UCLA Department of Orthopaedic Surgery

Los Angeles, CA

Research Assistant

Summer 1998

- Assisted Dr. Jeffrey Wang, Chief of Spine Surgery, and Dr. Michael Shepard with study evaluating enhancement of pedicle screw fixation through the use of washers
- Study showed that significantly greater insertional torque values were achieved using washers and that backing out screws as little as 90° significantly reduced insertional torque
- Published in *Clinical Orthopaedics and Related Research*, Feb 2002

Massachusetts Institute of Technology

Cambridge, MA

Senior Design Project and Thesis

August 1997 – May 1998

- Represented MIT at the Smithsonian Institute's Annual Conference on Innovation
- Led team of 20 students to design and prototype a complete web-interfaced home knee rehabilitation system
- Presented final prototype to an audience of industry experts, venture capitalists, and MIT faculty and students

Leadership

Board of Directors, San Francisco Medical Society	2017 – present
Vice-President, Board of Directors, Northern California Orthopaedic Society	2014 – 2017
CPMC Orthopedic Quality Committee	2014 – present
CPMC Technology Assessment Committee	2011 – present
St. Luke's Hospital Capital and Budget Committee	2012 – 2015
Class Representative, Stanford Orthopaedic Residency Program	July 2004 – June 2008
Venture Capital Round Table Planning Committee	Winter 2002
Co-coordinator, MD/MBA Speaker Series	September 2001 – June 2002

Membership

San Francisco Medical Society	2015 – present
Northern California Orthopaedic Society	2013 – 2017
Society of Lateral Access Surgeons	2012 – present
North American Spine Society	2009 – present
American Academy of Orthopaedic Surgeons	2004 – present