

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

PACIFIC HEIGHTS SPINE CENTER  
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## *Education and Training*

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

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## *Honors and Awards*

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

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## *Publications and Presentations*

**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

#### **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

#### **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%

#### **TRW Space and Defense**

Redondo Beach, CA

##### *Product Engineer*

Summer 1996

- Used Pro/ENGINEER CAD/CAM software extensively to design components to be used in a new RF satellite transmission array
- Assisted in the design of electronics packaging to be used in portable ground based satellite communications relay

### Research Experience

#### **St. Mary's Spine Center**

San Francisco, CA

##### *Researcher and Clinical Fellow*

August 2008 – Present

- Currently engaged in 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 – Present

- Currently engaged in study evaluating human neuronal stem cells used to treat spinal cord injury in rats
- Actively conducting animal experimentation
- Presented as post at AAOS 2011, CSRS 2010

**Researcher, Division of Spine Surgery** March – July 2006

- Authored manuscript for randomized, double-blind, placebo-controlled trial of an oral TNF- $\alpha$  inhibitor used to treat radicular pain related to herniated nucleus pulposus 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
- Led to publication 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

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*Leadership*

Class Representative, Stanford Orthopaedic Residency Program	July 2004 – June 2008
Co-coordinator, MD/MBA Speaker Series	September 2001 – June 2002
Venture Capital Round Table Planning Committee	Winter 2002
Social Chairman, UCLA School of Medicine	June 1999 – May 2001
Community Service Chairman, Alpha Tau Omega Fraternity	August – December 1997
Social Chairman, Alpha Tau Omega Fraternity	January – May 1997
MIT Project MOYA Orientation Counselor	August 1997
MIT Inter-fraternity Council Representative	August 1995 – May 1996

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*Membership*

North American Spine Society	November 2009 – present
American Academy of Orthopaedic Surgeons	July 2004 – present
Entrepreneur Association, The Anderson School at UCLA	October 2001 – June 2003
Investment Finance Club, The Anderson School at UCLA	October 2001 – June 2003
High Tech Business Association, The Anderson School at UCLA	October 2001 – June 2003
Challenge for Charity (C4C)/Special Olympics, The Anderson School at UCLA	October 2001 – June 2003