

# 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>Castle Connolly Top Doctor Award</b>	2019, 2020
<b>Patient's Choice Award</b>	2010, 2012
<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**, Harris J, Patel P, Mirabile B, Bucklen B. Lumbar intervertebral spacer with cement augmentation of endplates and integrated screws as a fixation device in an osteoporotic model: An in vitro kinematic and load-to-failure study. Presented at North American Spine Society Annual Meeting 2019.

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**

##### **Complex Orthopaedic Spine Surgeon**

Daly City, CA  
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**

##### **Founder, Orthopaedic Spine Surgeon**

San Francisco, CA  
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**

##### **Orthopaedic Spine Surgeon**

San Francisco, CA  
September 2009 – March 2011

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

#### **Alta Partners/USGI Medical**

##### **Summer Associate**

San Francisco and San Clemente, CA  
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.**

##### **Consultant, Operations Management Group**

New York, NY  
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

#### **Globus Medical**

##### **Researcher, Consultant**

Audubon, PA  
2014-present

- Conducted cadaveric biomechanical study evaluating effectiveness of cement augmentation of vertebral endplates with various lateral interbody fusion constructs
- Described a novel technique for *in vivo* cement augmentation of osteoporotic patients undergoing lateral lumbar interbody spinal fusion
- Accepted as poster presentation for North American Spine Society annual meeting September 2019

**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- $\alpha$  inhibitor used to treat radicular pain related to herniated nucleus pulposus in human subjects
- Presented in Best Papers session at North American Spine Society annual meeting 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

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**Leadership**

Board of Directors, San Francisco Medical Society	2017 – 2019
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

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**Membership**

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