

Curriculum Vitae
James F. Zucherman, MD

Personal

Name **James F Zucherman MD**
Marital Status **Married**
Licensure **California c36687**
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Web site **<http://www.spine-dr.com>**
Phone **415-750-5835**
Certification **ABOS 1984**
Date of Birth **December 16, 1948**

EDUCATION

Undergraduate **University of California at Berkeley**
 University of Southern California, BA, with Honors,
 Varsity Tennis Letter, June, 1970

Graduate **Baylor College of Medicine, Houston, Texas, MD**
 April, 1974

Postgraduate **Los Angeles County - USC General Hospital**
 Internal Medicine Intern
 July 1974 to June 1975

Mt. Zion Medical Center
 General Surgery Resident
 July 1975 to June 1977

San Francisco Combined Orthopaedic Residency Program
Orthopaedic Surgery Resident
July 1977 to June 1981

University of Hong Kong —
Duchess of Kent Children's Orthopaedic Hospital
Pediatric - Spine Orthopaedic Surgery Fellowship
July 1981 to December 1981

BOARD CERTIFICATION

July 1984 in Orthopaedic Surgery by
American Board of Orthopaedic Surgery

PRIVATE PRACTICE

Part-time, 1975 to 1978:
St. Francis Hospital Emergency Medicine, S.F., CA
S.F. City and County Emergency Facilities, S.F., CA
Richmond Hospital Emergency Medicine, Richmond, CA
Willits General Hospital Emergency Room, Willits, CA
Kaiser Hospital, General Clinic, S.F., CA

Mary's Help Hospital (Seton), Daly City, CA
General Orthopaedics
April 1982 to January 1983

St. Mary's Hospital and Medical Center, S.F., CA
Active Staff
January 1983 to Present

APPOINTMENTS, PROFESSIONAL SOCIETIES AND AWARDS

Clinical Instructor
S.F. Combined Orthopaedic Residency Training Program
1981 to Present.

Medical Director
St. Mary's Spine Center
S.F., CA 1987 to present

Clinical Instructor

UC Davis - Martinez Veterans Administration Hospital
Martinez, CA 1984 to 1991

San Francisco Medical Society
1984 to present

Fellow, North American Spine Society
July, 1985 to present

Member of Spine Evaluation and Training Team, Inc.
S.F., CA
1985 to 1988
Co-chairman
Challenge of the Lumbar Spine
S.F., CA
November, 1986

Fellow
American Academy of Orthopaedic Surgeons
February, 1986 to present

Director of Spine Fellowship
S.F. Combined Orthopaedic Residency Training Program
1987 to 1998 and 2012 to present

Member Western Orthopedic Association
August 1997 to present

Co-Director Combined San Francisco-Stanford University
Spine Surgery Fellowship
1998 to 2012

Member
International Society for the Study of the Lumbar Spine
1989 to present

Director St. Mary's Cervical Spine Institute
1989 to 1992

Recipient of \$50,000 Luke B. Hancock Foundation Grant for Spinal Fusion Research Project,
April 16, 1991

North American Spine Society Surgical Committee, 1992 to 1994
Award for Educational Support, American Back Society

Buffalo, New York
May, 1993

Advisory Board *Patient Advocates, Inc.* 1990 to 2000

Board of Directors, American Back Society, 1996 to present

Fellow American Back Society, 2008

Editorial Board Member, *Journal of Spine*, 1995 to 2008

Co-Chairman, American Back Society, December 1996 to December 1997

Medical Advisory Board St. Francis Medical Technologies 1999 to 2006

Stanford University Volunteer Clinical Instructor Department of Functional Restoration
(Orthopedics)
12/1/99 to present

Principal Clinical Investigator, St. Mary's Medical Center- Laparoscopic and Open BAK Fusion
FDA IDE Studies, Spinetech, Inc 1993-1997

Principal Clinical Investigator, St. Mary's Medical Center –X-stop Interspinous Implant in the
treatment of Neurogenic Claudication FDA IDE Study, St. Francis Medical Technologies, Inc.
1996-Present

Chief Clinical Investigator FDA-IDE study Xstop for Treatment of Lumbar Neurogenic
Claudication
1996-2006

Principal Clinical Investigator, St. Mary's Medical Center- Prodisc Total Disc Replacement
Single and Two Level Study FDA IDE Studies Spinal Solutions, Inc., , 2001-2008

Co-investigator , St. Mary's Medical Center, Anti-adhesion FDA IDE Study, Physiomed inc. ,
2002-2007

Principal Clinical Investigator Flexicor Disc Arthroplasty FDA IDE study St. Mary's Medical
Center Stryker Inc. 2004 to present

Principal Clinical Investigator Cervicore Disc Arthroplasty FDA IDE study St. Mary's Medical
Center Stryker Inc. 2005 to present

Board of Directors, St. Francis Medical Technologies 1996 to 1998

Medical Advisory Panel St. Francis Medical Technologies 1996- 2006

Board of Directors Spartech Medical Technologies 2006 to present

Appreciation Award for Contribution "Spinal Disc Replacement Surgery Experience" 15th Annual Meeting of Japanese Spinal Instrumentation Society, Osaka Japan October 17th 2006

Wall Street Journal Technology of the Year Award Runner-up 2008

Scientific Advisory Board, Spine-21 2008-present

Principle Investigator KAST Vertebroplasty FDA IDE study 2009-present

Scientific Advisory Board Nocimed, Inc. 2009-present

Lead inventor of 300 issued world wide patents, participating inventor 70 world wide patents

Named in Beckers's Orthopedic, Spine & Pain Management in "20 Spine and Neurosurgeon Inventors to Know" 2/8/12

Best Doctors Consultant 2011 to present

TRAINING COURSES

Musculoskeletal Trauma, AAOS Course
S.F., CA April, 1978

The Knee On Sports Medicine, AAOS Course
Los Angeles, CA April, 1979

UCLA Prosthetics and Rehabilitation Course
Los Angeles, CA Summer 1980

Posterior Lumbar Interbody Fusion Workshop
Philadelphia, Pennsylvania July, 1983

Posterior Lateral Interbody Fusion Workshop, Dr. Gabriel Ma
Honolulu, Hawaii October, 1983

The Spine Current Concepts, Vanderbilt School of Medicine

Maui, Hawaii March, 16-22, 1986

Anterior Spine Fusion, Dr. David Selby
Dallas, TX August, 1986

Anterior Spinal Fusion Kaneda Instrumentation Technique
Kyoto, Japan May 20-21, 1989

Advanced Cardiac Life Support Course
San Francisco, CA June, 1991

Ethicon Endoscopic Surgery Training Course on Laparoscopic, Thoracoscopic Surgery,
September 9-10, 1994, Cincinnati, Ohio
Albert Einstein College of Medicine—Spine Course-Basic Trauma
1995 Davos, Switzerland

Ray Threaded Fusion Cage Surgical Technique Training Workshop, an advanced practical
course on Ray TFC technology for Lumbar Interbody Fusion.
February 7, 1998

Controversies and Challenges in Spinal Deformities, Thoracolumbar and Cervical Surgery
April 1998 Key Largo, Florida
Threaded Constructs for Interbody Spine Surgery
November, 1998 San Francisco Marriott

Technique for Percutaneous Electrothermal Treatment of Discogenic Pain
Stanford University March 1999
Workshop for the PDN Prosthetic Disc Nucleus
June 21, 1999 Waikoloa, Hawaii

Bone Growth Factors and Substitutes: The Next Generation
June, 2000, Coronado, California

Vertebroplasty
November, 2000 Las Vegas, Nevada

Kyphon Inflatable Bone Tamp Technology Course, Stanford, California
October 6, 2001

Musculoskeletal MRI, April 13th-15th Las Vegas, Nevada
Medtronic Interbody Fusion Techniques, March, 2002 Napa, California

Johnson and Johnson Charite Total Disc Replacement Course,

March 22-23,2005 Cincinnati, OH

Mobi-C Cervical disc replacement September 2013

CONFERENCE PRESENTATIONS

1. UCSF San Francisco Bay Area Orthopaedic Ground Rounds:
Posterior Cruciate Ligament Injuries, September, 1977
Anterior Cervical Fusion in Cervical Spondylosis, September, 1978
Achilles Tendon Rupture, 1980
2. Western Orthopaedic Association Annual Meeting *Sciatic Entrapment at the Piriformis—The Forgotten Syndrome*, Honolulu, Hawaii 1980
3. University of Hong Kong International Orthopaedic Congress *The Use of the Dwyer Apparatus in Adolescent Idiopathic Scoliosis*, November, 1983
4. AAOS Conference Surgical Management of Lumbar Spine Pain, *Posterior Lumbar Interbody Fusion - History, Techniques, Clinical Studies* S.F., CA November, 1983
5. California Trucking Association, *Advanced Concepts in Back Injury Management*, Burlingame, CA, October 23, 1984; Montebello, CA October 25, 1984
6. AWA, California-Nevada Section, *Prevention of Low Back Injury*, Oakland, CA, Spring, 1985
7. CAMP International, Inc., *Conservative Management of Low Pathophysiology and Anatomy*, March 15, 1985; Fusion, S.F., CA, March 16, 1985
8. *Everything You Always Wanted To Know About Low Back Pain But Were Afraid To Ask*, Co-Chairman, Snowmass, CO January 18-26, 1986.
9. University of California, S.F., Verne T. Inman Memorial Lectureship *Spinal Fusion With Internal Fixation*, May 15, 1986.
10. Cross Currents In Medicine - Guest Lecturer. *Treatment With Appropriate Exercise; Chymopapain? Surgery?* Santa Monica Hospital and Medical Center, June 6, 1986.
11. Western Orthopaedic Association. *Lumbar Laminectomy For Herniated Disc - A Prospective Controlled Comparison With Internal Fixation Fusion*, S.F., CA, 1986
12. Challenge of the Lumbar Spine, S.F., CA November 6-9, 1986:
Diagnostic Testing —Panel Chairman
Diagnostic Categories
Plates and Screws in Surgery
Computer Innovation
Spine Plating and Advanced Session
The Participation Concept - Making the Right Connection
13. AAOS Research Society. *Prospective Controlled Series Comparing Simple Discectomy To Discectomy With Fusion*. S.F., CA January 25, 1987
14. University of California, Dept of Neurology Grand Rounds. *Rehabilitation for Lumbar Spine Problems*. S.F., CA March 19, 1987
15. International Conference On Discography. *Endplate Fracture A Significant Finding On Discography*. Dallas, TX March 28, 1987
16. International Society For The Study Of The Lumbar Spine. *Early Results Of Internal Fixation Using VSP Spine Plating*, Rome, Italy March 24, 1987

17. North American Spine Society. *Early Results and Complications Using VSP Internal Fixation*. Banff, Canada June 26, 1987
18. Challenge Of The Lumbar Spine. New York, New York October 8-10, 1987: *Complications Of Internal Fixation, Post Decompression Instability, Internal Fixation Symposium*
19. Federation Of Spine Societies, AAOS Annual Meeting. *Early Results And Complications Using VSP Internal Fixation*, Atlanta, Georgia February, 1988
20. International Society For The Study Of The Lumbar Spine *Diphtheroid And Associated Infections As A Cause Of Failed Instrumentation Procedures In The Lumbar Spine*, Miami, Florida April, 1988
21. North American Spine Society. *MRI Does Not Replace Discography*, Colorado Springs, Colorado July, 1988
22. American Back Society, S.F., CA December 3-4, 1988.
Anterior Spinal Fusion
Multilevel Anterior Cervical Fusion
Diagnostic Injections In Spine Disease
Hands-on Workshop Spinal Surgery
23. Lumbar Spine Current State Of The Art Spine Care Conference. *MRI Scanning Does Not Replace Discography* Daly City, CA December 11, 1988
24. International Society For The Study Of The Lumbar Spine. *High Lumbar Disc Degeneration: Incidence And Etiology* Kyoto, Japan May 17, 1989
25. North American Spine Society. *Clinical Efficacy Of Spinal Instrumentation In Lumbar Degenerative Disease* Quebec City, Canada July 2, 1989
26. Challenge Of The Lumbar Spine *Existential Aspects Of Pain, Clinical Efficacy Of Spinal Instrumentation* S.F., CA October, 1989
27. *Sympathetically Medicated Pain In Lumbar Degenerative Disc Disease*. International Society For The Study Of The Lumbar Spine. Boston, Mass May, 1990
28. *Multilevel Cervical Fusion Cervical And Lumbar Spine: State Of The Art*, 1991, San Francisco Spine Institute. S.F., CA March, 1990
29. *Sympathetically Mediated Pain In Lumbar Spine Disease*. North American Spine Society, Monterey, CA July, 1990
30. Challenge Of The Lumbar Spine *Multilevel Cervical Fusions* S.F., CA March, 1991
31. *Demineralized Allograft In Posterior Lateral Fusions - Clinical Efficacy In A Prospective Study*. **James F. Zucherman, MD**, Steven Brack, DO, Ken Hsu, MD, Gary Levengood, MD. North American Spine Society, Keystone, CO August, 1991
32. *Clinical Efficacy Of Spinal Instrumentation In Lumbar Degenerative Disc Disease*. Fifth International Conference Of Lumbar Fusion And Stabilization. Osaka, Japan November, 1991
33. *A Comparison Of Allogenic Versus Autologous Bone Graft In Posterior Lateral Lumbar Spine Fusions – Clinical Efficacy In A Prospective Study*. Fifth International Conference Of Lumbar Fusion and Stabilization. Osaka, Japan November, 1991
34. *The Myth Of The Solid Posterior Lateral Fusion*. Fifth International Conference of Lumbar Fusion and Stabilization. Osaka, Japan November, 1991
35. *Pseudoarthrosis Of Lumbar Spine Fusions: When Is It Symptomatic?* Hsu, K.Y., Zucherman, J.Z., Schofferman, J., White, A., Derby, R. and Wynne, G. Fifth International Conference On Lumbar Spine Fusion And Stabilization Osaka, Japan November 1991

36. *Comparison Of Allograft Versus Autogenous Bone Graft In Posterior Lateral Spine Fusions – Clinical Efficacy In Prospective Study*, Zucherman, J.Z., Brack, S., Hsu, K.Y., Levengood, G. and Rassmussen, L. Fifth International Conference On Lumbar Spine Fusion And Stabilization Osaka, Japan November, 1991
37. *Clinical Efficacy Of Spinal Instrumentation In Lumbar Degenerative Disease*, Zucherman, J.Z., Hsu, K.Y., Picetti, G., III, Wynne, G., and White, A. Fifth International Conference On Lumbar Spine Fusion And Stabilization Osaka, Japan November, 1991
38. *Long Term Effect Of Lumbar Spine Fusion: Deterioration Of Adjacent Motion Segments*, Hsu, K.Y., Zucherman, J.Z., White, A., and Reynolds, J. Fifth International Conference On Lumbar Spine Fusion And Stabilization Osaka, Japan November, 1991
39. *Myth Of The Solid Posterior Lateral Fusion*, Zucherman, J.Z., Brack, S., Hsu, K.Y., and Shea, W. Fifth International Conference On Lumbar Spine Fusion And Stabilization Osaka, Japan November, 1991
40. *Pseudoarthrosis Of Lumbar Spine Fusions, When Are They Symptomatic?* American Back Society S.F., CA December, 1991
41. Spinal Injection Workshop, American Back Society. S.F., CA December, 1992
42. Workshop *Automated Percutaneous Nucleotomy In Lumbar Spine*, American Back Society. S.F., CA December, 1992
43. *St. Mary's Spine Center Approach To The Industrial Patient*, Symposium, American Back Society. S.F., CA December, 1992
44. *Fusion Solidity In The Lumbar Spine*, American Back Society. S.F., CA December, 1992
45. *Spinal Instrumentation In Lumbar Degenerative Disc Disease*, UCSF, Ground Rounds S.F., CA March, 1993
46. Simmons Plating Workshop - Faculty American Back Society, Buffalo, New York May, 1993
47. *The St. Mary's Spine Center - 12 Years Experience In Management Of The Injured Worker*, American Back Society. Buffalo, New York May, 1993
48. American Back Society Special Surgical Presentation: *Percutaneous Discectomy Of The Cervical Spine* S.F., CA December, 1993
49. *Differential Diagnosis Of Thoracic Sprain*, Workshop American Back Society S.F., CA December, 1993
50. *St. Mary's Spine Center*, American Back Society S.F., CA December, 1993
51. Steerable Endoscopy Workshop - *Indications and Contraindications* Concord, CA December, 1993
52. New Minimally Invasive Spine Surgery Techniques, American Nurses Association Burlingame, CA January, 1994
53. Laparoscopic Spinal Surgery, *Business Opportunities In Orthopaedic Spine Surgery*, Executive Briefing Medical Data International New Orleans, LA February, 1994
54. *Endoscopic Discectomy - One Day Workshop*, Surgical Dynamics, Concord, CA. November, 1993.
55. Laparoscopic Spinal Surgery, Medical Data International, New Orleans, LA. February, 1993.
56. *Laparoscopic Fusion*, North American Spine Society Symposium, Minneapolis, MINN. October, 1994.
57. *Laparoscopic Discectomy and Fusion*, American Back Society, Beverly Hills, CA. December, 1994.

58. *Laparoscopic Spinal Fusion*, Ethicon End. Surgery Symposium on Minimally Invasive Approaches to Thoracic and Lumbar Spine, Cincinnati, Ohio, September 10, 1994.
59. *Laparoscopic Assisted Arthroscopic Anterior Lumbar Discectomy and Interbody Fusion in the Supine Position*, American Back Society, Los Angeles, California, November 30 - December 3, 1994.
60. *Laparoscopic Lumbar Discectomy, Laparoscopic Lumbar Spinal Fusion* Minimally Invasive Spinal Surgery Symposium, Surgical Dynamics, Silverado, California, January 27-30.
61. *Instrumented Laparoscopic Spinal Fusion*, Third Annual European Spine Meeting, New Frontiers in Spine Surgery, Leiden University, Holland, May 1995.
62. *Laparoscopic and Thorascopic Surgical Techniques*, Course Instructor, Ethicon Course for Surgeons, Tacoma, Washington, September 1995.
63. *The Laparoscopic Approach to the Lumbar Spine*, International Symposium on Standards and New Techniques - Anterior Spine Surgery, European Spine Society, Berlin, October 1995.
64. *Laparoscopic Spinal Fusion*, AO Spine Surgery Course, Pavos, Switzerland, December 1995.
65. *Laparoscopic and Thorascopic Surgical Techniques*, Course Instructor, Ethicon Course for Surgeons, Tacoma, Washington, November 1995.
66. *Lumbar Laparoscopic Surgery*, **James F. Zucherman, MD**, Lumbar and Thoracic Minimally Invasive Surgery Course, University of California, San Francisco, November 1995.
67. *Minimal Invasive Spinal Surgery, Workshop*, **James F. Zucherman, MD**, Susan Bailey, American Back Society, San Francisco, California, December 1996.
68. *Endoscopic Spinal Surgery, Recent Developments, Clinical Experience and Research*, American Back Society, San Francisco, California, December, 1996
69. *The Sacroiliac Joint: Evaluation and Treatment Workshop*, American Back Society, December, 1996
70. *WARP Abdominoplasty: Back Surgery without Touching the Back, A New Surgical Treatment for Chronic Back Pain*, American Back Society, December, 1996
71. *Disc Space Geometry as a Predictor of Fusion Solidity in the Use of Interbody Cages*, ISSLS, Burlington, Vermont, July, 1996
72. *Percutaneous Cervical Discectomy*, North American Spine Society, Vancouver, B.C., October, 1996
73. *Reliability of Computerized Motion Analysis as a Detector of Significant Lumbar Disc Pathology*, M. Itoi, Y. Hirasawa, J. Zucherman, K.Hsu, E. Gould, The 8th World Congress of the International Rehabilitation Medicine Association, September 1997.
74. *Spine Surgery for the Next Millennium*, American Back Society, San Francisco, CA, December 1997
75. *Minimally Invasive Lumbar Surgery, Deformity and Complications in the Adult Spine Course*. Key Largo, FL, May, 1998
76. *Percutaneous Cervical Discectomy*, North American Spine Society, San Francisco, October, .. 1998
77. Use of Xstop Device in Spinal Stenosis—Workshop -- Course Director Hawaii, Hawaii July 2000
78. Current Technology in Spine Surgery—including available instrumentation, indications, and results; including an introduction to a new interspinous device for the treatment of spinal stenosis, local anesthesia American Back Society, Vancouver, BC, December 2000

79. Treatment of Lumbar Spinal Stenosis with an interspinous process spacer. The 8th Annual Meeting of Japan Society of the Study of Surgical Technique for Spine and Spinal Nerves, Kyoto, Japan September 19, 2001
80. Total Disc Replacement. The 8th Annual Meeting of Japan Society of the Study of Surgical Technique for Spine and Spinal Nerves Kyoto, Japan September 19, 2001
81. Stenex Device for Spinal Stenosis- Workshop. The 8th Annual Meeting of Japan Society of the Study of Surgical Technique for Spine and Spinal Nerves, Kyoto, Japan September 19, 2001
82. Treatment of Spinal Stenosis Using a Novell Interspinous Spacer. Western Orthopedic Society San Francisco, Ca. September 25th, 2001
83. Multicenter Randomized trials of X-stop device a new minimally invasive treatment for Spinal Stenosis American Back Society, Orlando, Florida December 2001
84. Multicenter Randomized Prospective Trial for the treatment of lumbar neurogenic claudication with an interspinous device: One year results International Society for the Study of the Lumbar Spine, Cleveland, Ohio May , 2002
85. The Effect of an Interspinous Spacer on the Intradiscal Stress of the Adjacent and Levels Treated 9th International Meeting on Advanced Spine Techniques Montreux, Switzerland May 23, 2002
86. Multicenter Randomized Prospective Trial for the treatment of lumbar neurogenic claudication with an interspinous device: One year results 9th International Meeting on Advanced Spine Techniques Montreux, Switzerland May 23, 2002
87. Use of the Xstop Interspinous Spacer Device in the Lumbar Spine American Academy of Orthopedic Medicine, San Francisco, Ca Oct. 24, 2002
88. Multicenter Randomized Controlled Clinical Trial of a Novel Implant for treatment of Neurogenic Claudication, North American Spine Society, Montreal, Canada November 1, 2002
89. Treatment of Lumbar Spinal Stenosis with an Interspinous Spacer, Annual Meeting of the Spine Society of Europe, Nantes, France Sept 12, 2002
90. Treatment of Lumbar Spinal Stenosis With Dynamic Spacer Stabilization, Dynamic Spine Stabilization Symposium, Texas Health Research Institute, Dallas, Texas October 11, 2002
91. Treatment of Lumbar Spinal Stenosis With Interspinous Spacer, Annual Meeting of the North American Spine Society, Montreal, Canada October 30th, 2002
92. A Prospective Randomized Multicenter Clinical Trial For the Use of the Xstop Device in Treatment of Lumbar Spinal Stenosis, American Academy of Physical Medicine and Rehabilitation Annual Meeting Orlando, Florida November 2002
93. Spine Across the Sea Symposium--Motion Preserving Technology, Dynesys and Xstop systems. North American Spine Society, Kapalua, Hawaii July 29, 2003
94. Influence of Xstop Interspinous Spacer on Lumbar Sagittal Alignment, NASS Spine Across the Sea Meeting, Kapalua, Hawaii July 29, 2003
95. The Xstop Interspinous Implant Improves Physical Function in Lumbar Spinal Stenosis, , NASS Spine Across the Sea Meeting, Kapalua, Hawaii July 29, 2003
96. The Xstop device in the treatment of Lumbar Spinal Stenosis, Soft Tissue Injuries of the Spine: New concepts in Diagnosis and Treatment , Maricopa County Integrated Health System, San

- Francisco, Ca July 19, 2003
97. Prospective Randomized Multi-center Study for the Treatment of Lumbar Spinal Stenosis With an Interspinous Spacer, World Spine 11, Chicago, Ill. August 11, 2003
 98. Use of Xstop for Neurogenic Claudication-- Workshop for Clinical Investigators, St. Francis Medical Inc, Chicago, Illinois, August 9, 2003
 98. Quality of Life of Lumbar Spinal Stenosis Patients Treated with the X Stop Interspinous Spacer, North American Spine Society Annual Meeting, San Diego, California October 22, 2003
 99. Total Disc Arthroplasty in the Lumbar Spine: Current Studies in progress-Results of St. Mary'S Spine Center in US Multicenter Trials, American Back Society Annual Meeting, Las Vegas Nevada, Nov. 15, 2003
 100. The Use of the Xstop Device for Treatment of Neurogenic Claudication-Results of Multicenter Pivotal United States Trials, 2nd Dynamic Spine Stabilization Symposium Dallas, Texas, Nov. 16, 2003
 101. Comorbidities Affect Outcomes of Lumbar Stenosis Patients Treated with X STOP Interspinous Process Distraction System American Association of Neurological Surgeons, Orlando, Florida May 1-6, 2004
 102. Outcomes of Elderly Lumbar Stenosis Patients Treated with the X STOP Interspinous Process Distraction System American Association of Neurological Surgeons, Orlando, Florida May 1-6, 2004
 103. Outcomes of Lumbar Spinal Stenosis Patients Treated with the X STOP Interspinous Process Distraction System American Association of Neurological Surgeons, Orlando, Florida May 1-6, 2004
 104. Treatment of Spinal Stenosis with the X Stop, American Academy of Orthopedic Medicine, La Jolla, California April 24th, 2004
 105. Use of the Xstop for Neurogenic Intermittent Claudication, Emerging Technology in Spine, University of South Florida, August 5th, 2004 Los Cabos, Mexico
 106. Use of the Xstop for Neurogenic Intermittent Claudication, Emerging Technology in Spine, Pfeidler Enterprises University of South Florida, October 2, 2004 Washington, DC
 107. A Prospective Randomized Multicenter Study of Lumbar Neurogenic Claudication Patients Treated Conservatively With a Laminectomy or With Interspinous Process Decompression North American Spine Society October 27, 2004 Chicago, Ill.
 - 108 Interspinous Process Decompression (IPD) Significantly Improves Physical Function

- in Neurogenic Claudication Patients North American Spine Society October 27, 2004 Chicago, Ill.
109. Live Surgical Demonstration of Xstop for Spinal Stenosis performed at Swiss Spine Institute Basel, Switzerland and Broadcast to Spine Arthroplasty Society NYC May 3, 2005
 110. Chief Instructor for Xstop Surgical Technique, Spinal Stenosis Pathophysiology and Clinical Presentation Course and Cadaver lab for Clinical Investigators for Xstop Device St. Francis Medical Technologies Phoenix, Az April 22, 2005
 111. Spinal Stenosis Pathophysiology and Xstop Indications and Technique, St. Francis Medical Inc., Denver, Colorado April 1, 2005
 112. Back and leg pain frequency and severity of neurogenic intermittent claudication patients treated with interspinous process decompression, International Society of the Study of the Lumbar Spine New York City, New York May 13, 2005
 113. Use of Interspinous Decompression in Spinal Stenosis, Cedars-Sinai Innovations in Spinal Surgery, Las Nevada February 12, 2005
 114. Cervicore cervical disc Arthroplasty, University of South Florida, Clinical Updates in Spinal Surgery, Whistler, Ca January 17-21 2005
 115. Xstop update, Innovations in Spine Surgery, Texas Back Institute/PIMIT, Dallas November 13, 2004
 116. Use of the Xstop for Neurogenic Intermittant Claudication Emerging Technology in Spine, University of South Florida, July 21st, 2005 Los Cabos, Mexico
 117. Comprehensive workshkop and use of Xstop for spinal stenosis, XIIIth annual Eurospine Technology Advances in Spine Surgery, Brussels, Belgium November 16th, 2005
 118. Current status of the Xstop in the United States and Europe XIIIth annual Eurospine Technology Advances in Spine Surgery, Brussels, Belgium November 16th, 2005
 119. Salvage Instrumenatation, case presentations and Technique and Theory in Failed Total Disc Arthroplasty. Medtronic Failed Arthroplasty Course, Las Vegas, Nevada November 5th and 6th 2005
 120. Salvage Instrumenatation and case presentations Technique and Theory in Failed Total Disc Arthroplasty. Medtronic Failed Arthroplasty Course, Las Vegas, Nevada November 6th and 7th 2005
 121. Chief Surgeon Trainer for St. Francis Medical Inc, "Use and technique of the Xstop Device" throughout 2006 for courses Dallas, Baltimore, St. Louis, Los Angeles, Seattle, Phoenix, Maui, San Francisco 2005-2006
 122. Interspinous Process Device In Adjacent Segment Disease, North Americian Spine Society Seatle, Washington September 26, 2006
 123. Xstop Biomechanics and Design Rationale, Annual Nordic Spine

- Symposium, Stockholm, Sweden December 8th 2006
- 124 US Trials and Clinical Experience with Xstop IPD, Annual Nordic Spine Symposium, Stockholm, Sweden December 8th 2006
 - 125 Emerging Technologies in Spine Surgery, Xstop Workshop Telluride Co. , February 8, 2007
 - 126 Sixth Annual Symposium on Current Concepts in Spinal Disorders, Xstop, Las Vegas, Nevada March 3, 2007
 - 127 PMMA effect on Spinous Process Loading Strength, UCSF "Spine Day" San Francisco, CA June, 2007
 - 128 Prodisc Artificial Total Lumbar Disc Replacement: A Comparison of 1-level VS 2-level with 2 year Minimum Follow-up, ISSLS Hong Kong June 2007
 - 129 Spinal Disc Replacement Surgery Experience-Cervical and Lumbar 15th Annual Meeting of Japanese Instrumentation Society, Osaka Japan October 27th, 2006
 - 130 New Approaches for Juxta Fusion Disease Treatment, North American Spine Society September 26th 2006 Seattle Wa.
 - 131 New Motion Preserving Technologies, Brown and Toland Spine Disease Lecture Series, San Francisco, Ca August 2006
 - 132 The Xstop For Spinal; Stenosis, , Emerging Technologies in Spinal Disorders, Telluride, Colorado January 27th, 2006
 - 133 Total Lumbar Disc Arthroplasty Update, Emerging Technologies in Spinal Disorders, Telluride, Colorado January 26th, 2006
 - 134 Clinical Instructor Synthes Prodisc Denver, Colorado February 9, 2007
 - 135 Flexicore Arthroplasty Concept and Technique, Stryker Workshop, Spine Arthroplasty Society , Miami Florida, May 7th, 2008
 - 136 Five Year Outcomes in Patients with the Xstop Interspinous Process Device for Neurogenic Intermittant Claudication Due to Lumbar Spinal Stenosis, Motion Preservation Technology, North American Spine Society, Toronto, Canada October, 2008
 - 137 Flexicore Total Disc Replacement fo Lumbar Degenerative Disc Disease. 2 Year Results From Four Centers. North American Spine Society Spine Across the Sea Maui, Ha ,July, 2009
 - 138 Xstop Current Clinical Experience With 500 Cases. Department of Neurosurgery Visiting Professor Lectureship., Stanford University September 18, 2009
 - 139 Spine Surgery Game Changing Technologies, Spine One Education , San Jose, California September 24, 2009
 - 140 Spinal Stenosis: Anatomy, Pathophysiology, Treatment and the Xstop Device Kyphon/Medtronic Sales Team Sunnyvale, California July 15, 2009
 - 141 Flexicore Total Disc Replacement fo Lumbar Degenerative Disc Disease. 2 Year Results From Four Centers. ISSLS Miami Florida May 7^t, 2009
 - 142 Xstop Update Spine Technology Education Group Meeting, Phoenix, Az, October 2009

- 143 FlexiCore® Disc Replacement vs. Fusion: Work Status and Pain Medication Usage at Three Years Post-surgery
International Society for the Advancement of Spine Surgery, New Orleans, La. April 2010
- 144 Flexicore Total Disc in Lumbar Degenerative Disc Disease Workshop International Society for the Advancement of Spine Surgery, New Orleans, La. April 2010
- 145 Xstop for Neurogenic Claudication the Evidence, Innovative Techniques in Spine Surgery Los Cabos, Mexico June 2010
- 146 Flexicore Total Disc Replacement Innovative Techniques in Spine Surgery Los Cabos, Mexico June 2010
- 147 New Surgical Techniques to Speed Recovery and Minimize Morbidity in Spine Surgery
Invited Guest Lecturer to Japanese Orthopedic Association Annual Meeting Kyoto, Japan May 2012
- 148 Biomechanics of a New Motion Preservation Device **J Zucherman K Hsu N Crawford** Poster Presentation
National DWG Spine Surgery Meeting, Stuttgart ,Ge. 12-6-2012
- 149 Biomechanical Evaluation of a New Motion Preservation Device
Hong Kong International Congress 4-5-13 Hong Kong
- 150 The Future of Spine Surgery, Key Note Speech American College of Spine Surgeons, 6-8-13 Las Vegas

PUBLICATIONS

1. Rational Use Of Operation In Pericardial Constriction, **James F. Zucherman, MD** , Pedro Rubio, MD, FICS, Gene Guinn, MD, FACA, *International Surgery*, Vol. 62, No. 4, April, 1977.
2. Sciatic Entrapment At The Piriformis - The Forgotten Syndrome, **James F. Zucherman, MD** , Marvin Hays, MD, Jerome Piontek, MD, *Orthopaedic Transactions*, Vol. 5, No. 1, Spring, 1981.
3. The Dwyer Anterior Spinal Fusion Technique In Adolescent Idiopathic Scoliosis, Louis Hsu, MD, **James F. Zucherman, MD** , S.C. Tang, MD, *Journal of Bone and Joint Surgery*, Vol. 64-5, No. 5, 1982.
4. Treatment Of Acute Achilles Tendon Rupture, M. Meehan, MD, **James F. Zucherman, MD** , G. McCarthy, MD, *Orthopaedic Transactions*, Spring, 1982.
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