

CURRICULUM VITAE

PIERCE D. NUNLEY, M.D.

Director
Spine Institute of Louisiana

Clinical Assistant Professor
Department of Orthopaedic Surgery
Louisiana State University Health Sciences Center

Spine Institute of Louisiana
1500 Line Avenue
Shreveport, Louisiana 71101-4643
(318) 629-5555 Phone
(318) 629-5595 Fax

EMAIL: pnunley@louisianaspine.org
WEBSITE: <http://www.louisianaspine.org>
AAOS WEBSITE: <http://orthodoc.aaos.org/spinedoctor>



Louisiana State University Health Sciences Center
1501 Kings Highway
Shreveport, Louisiana 71130-3932
Phone: 318-675-6180

Shreveport, Louisiana 71109

EMAIL: pnunley@lsuhsc.edu
WEBSITE: <http://ortho.lsuhs.edu>



EDUCATION:

Undergraduate: University of Kansas
Lawrence, Kansas
Biology, Chemistry, Liberal Arts, Performing Arts
Honors: Alpha Chi Sigma (National Honors Chemistry Society)
Bachelor of Arts - Human Biology, 1986

Medical: University of Kansas Medical College
Kansas City, Kansas
Honors: Anatomy Prosector and Instructor
- Department of Orthopaedic Surgery
Pharmacology Clinical Honors Program
Doctor of Medicine, 1991

Internship: Louisiana State University Medical Center
Shreveport, Louisiana, 1992

Residency: Louisiana State University Medical Center
Shreveport, LA, 1996

Spine Fellowships: Prof. Walter Dick, M. D.
Prof. Bernard Jeanneret, M. D.
Arbeitsgemeinschaft für Osteosynthesefragen (AO) Scholarship
University of Basel
Switzerland
Spine Fellowship, 1996

David K. Selby, M. D.
Dallas Spine Group
University of Texas Southwestern
Spine Fellowship, 1997

SPECIALIZED TRAINING:

Enneking Musculoskeletal Pathology Course
St. Augustine, FL. April 1994

CERTIFICATION:

American Board of Spine Surgery – Board Certified (Written Exam - 12/2004, Oral Exam -10/2006)
American Board of Orthopaedic Surgeons – Board Certified (Written - 6/1996, Oral - July 2000)
Federation Licensing Examination (FLEX) - Certified August 1991

LICENSURE:

Louisiana 1991 to present
Texas 1996 to present
Missouri 1997 to present

MEDICAL PRACTICE:

Spine Institute of Louisiana – Shreveport, Louisiana – 2003 to present

Louisiana State University Health Sciences Center

Clinical Assistant Professor, Department of Orthopaedic Surgery –1999 to present

Orthopedic Specialists of Louisiana - Shreveport, Louisiana - 1999 to 2003

Orthopaedic Specialists of Springfield - Springfield, Missouri - 1997 to 1999

HOSPITAL AFFILIATIONS:

Specialists Hospital Shreveport

Bossier Specialty Hospital

Louisiana State University Medical Center

Christus-Schumpert Medical Centers

Willis-Knighton Medical Centers

PROFESSIONAL AFFILIATIONS:

North American Spine Society

American College of Spine Surgery

American Academy of Orthopaedic Surgeons – Fellow

Spine Arthroplasty Society

AO (Arbeitsgemeinschaft für Osteosynthesefragen) International

Selby Spine Group

American Medical Association

Southern Orthopaedic Association

Louisiana Orthopaedic Association

Louisiana State Medical Society

Shreveport Medical Society

PROFESSIONAL POSITIONS & APPOINTMENTS

Director - Spine Institute of Louisiana

Clinical Assistant Professor - Louisiana State University Health Sciences Center, Dept. of Orthopaedic Surgery

Vice-Chairman (Chairman Elect) Board of Directors - American Board of Spine Surgery

Medical Advisory Board – SpineMark Corporation (www.spinemark.com)

Advisory Editorial Board – The Spine Journal

Technical Advisory Board - Syndicom, Inc (www.syndicom.com)

Board of Scientific Advisors – K2M Medical (www.k2m.com/about/advisors)

Board of Trustees - Selby Spine Foundation

Board of Directors - Spine Institute of Louisiana Foundation, Inc

Board of Directors - Musculoskeletal Institute of Louisiana

Executive Committee - Musculoskeletal Institute of Louisiana

COMMITTEE APPOINTMENTS

NORTH AMERICAN SPINE SOCIETY,

Member - Alternative and Complementary Medicine Committee

Liaison - to AAOS Complimentary & Alternative Medicine Committee

Term: February 2004 – October 2008

COMMITTEE APPOINTMENTS (Continued)

AMERICAN ACADEMY OF ORTHOPEDIC SURGEONS,
Member - Complementary & Alternative Medicine Committee
Liaison - to NASS Alternative and Complementary Medicine Committee
Term: 2003-2007

NORTH AMERICAN SPINE SOCIETY,
Member - Research Fund Management Committee
Term: January 2004 – October 2006

PERSONAL INFORMATION:

Date of Birth: December 13, 1963
Place of Birth: Lawrence, Kansas
Marital Status: Married to Susan Moody Nunley, M. D.
Child: Jasmine Virginia Nunley

EXTRACURRICULAR ACTIVITIES:

Computers: Internet and Medical Systems Design and Digital Photography
Music: Performance and Composition - Voice, Guitar, Violin, and Piano
Sports/Hobbies: Tennis, Golf, Diving, Skiing, Photography and Ranching.

PUBLICATIONS:

Referred Journals

Comparison of Pressure-Effects on Adjacent Disc Levels Following 2-Level Lumbar Constructs: Fusion, Hybrid and Total Disc Replacement. Nunley PD, et al. Surgical Neurology (Accepted for publication 4/2008).

Intradiscal Electrothermal Therapy (IDET) for Low Back Pain in Worker's Compensation Patients: Can It Provide a Potential Answer? Long Term Results. Nunley PD, Jawahar A, Brandao SM. Journal of Spinal Disorders and Techniques. Volume 21, Number 1, February 2008.

Fusion versus Hybrid after 2-level Lumbar Discectomy: Does the Construct Actually Affect Pressure at Adjacent Levels? A Biomechanical Study. Nunley PD, Mukherjee D, Jawahar A, Ogden A, Khan Z, Kerr EJ, Cavanaugh DA. The Spine Journal. September 2007 (Vol. 7, Issue 5, Page 101S)

Should Number of Levels Determine the Choice of Plate-design in ACDF? Results of a Prospective Randomized Single-blind Trial. Nunley PD, Jawahar A, Kerr EJ, Cavanaugh DA, Howard C, Brandao SM. The Spine Journal. September 2007 (Vol. 7, Issue 5, Page 53S)

Intraspinal meningioma in a 101-year old: Should age determine the aggressiveness of intervention? Cavanaugh DA, Jawahar A, Nunley PD, et al. Surgical Neurology – (e-Pub Prior to Print 29 October 2007)

Primary Osteoblastic Osteosarcoma in an Elderly Female: A Case Report of Perplexing Presentation. Kerr EJ, Nunley PD, et al.: Anticancer Research Vol. 26, Issue 4B, Pages 3117-21.

Osteomyelitis of the cervical spine: a potentially dramatic disease. Schimmer RC, Jeanneret C, Nunley PD, Jeanneret B. J Spinal Disord Tech, Apr 2002, 15(2) p110-17

The Strength and Stiffness of Thoracic Implant Anchors in Osteoporotic Spines. Butler TE, Asher MA, Jayaraman G, Nunley PD, Robinson RG. Spine, Vol. 19, Issue 17, Pages 1956-62, 1994

Referred Journals (Continued)

Arthroscopic Management of the Arthritic Elbow. Savoie FH, Nunley PD, Field LD. *Journal of Shoulder and Elbow Surgery*. 8 (3): 214-219; 1999

Book Chapters

Nunley, P.D. (2005) The GEO™ Oval – Anterior vertebral body replacement and interbody fusions. In D.H. Kim, A.R. Vaccaro, R.G. Fessler (Eds.), *Spinal Instrumentation: surgical techniques*. (pp. 795-800). New York, NY: Thieme Medical Publishers.

Nunley, P.D. (2005) The GEO™ Rectangle – Techniques in Posterior Lumbar Interbody Fusion (PLIF) and Transforaminal Lumbar Interbody Fusion (TLIF). In D.H. Kim, A.R. Vaccaro, R.G. Fessler (Eds.), *Spinal Instrumentation: surgical techniques*. (pp. 1050-1055). New York, NY: Thieme Medical Publishers.

RESEARCH ACTIVITIES:

Clinical Trial Comparing the Blackstone Advent™ Cervical Disc to Anterior Cervical Discectomy and Fusion (ACDF) for the Treatment of One Level Degenerative Disc Disease (Co-Investigator) – 2008 to present

Multi Center Prospective Study for Clinical and Radiographic Outcomes of Spine Deformity Comparing Set Screws to Taper Lock Instrumentation, Safety and Efficacy (Principal Investigator) – 2007 to Present

In vitro Biomechanical Analysis of the Spine using Pedicle Screws and Rods: Ti-6Al-4V vs. NiTi (Nitinol) 2007-2008

A Multi-Center, Prospective, Randomized, Controlled Clinical Trial Comparing the Safety and Effectiveness of the Mobi-C® Prosthesis to Conventional Anterior Cervical Discectomy and Fusion in the Treatment of Symptomatic Degenerative Disc Disease (DDD) in the Cervical Spine (Principal Investigator) - 2007 to Present

Comparison Of Laminectomy To Laminoplasty Using The ARCH™ Fixation System In Patients With Multiple Level Cervical Spinal Canal Stenosis (Principle Investigator) – 2007-2008

Comparison of dynamic stabilization of the lumbar spine with the Stabilimax NZ™ Dynamic Spine Stabilization System to posterolateral instrumented fusion. (Principle Investigator) – 2007

A Multi-Center, Prospective, Randomized, Controlled Clinical Trial Comparing the Safety and Effectiveness of the Mobi.C@ Prosthesis to Conventional Anterior Cervical Discectomy and Fusion in the Treatment of Symptomatic Degenerative Disc Disease (DOD) in the Cervical Spine (Principle Investigator) – 2007 to Present

Comparison of Optimesh to Allograft Bone for posterior interbody fusion with supplemental screw fixation. – 2006 to present

Biomechanical Effects on Adjacent Segments to Total Disc Arthroplasty versus Interbody Fusion during physiologic range of motion of the Lumbar Spine. Principal Investigator. LSUHSC Department of Orthopaedic Surgery, Biomechanics laboratory. 2006-2007

Kineflex/C™ Cervical Disc Arthroplasty, FDA, Investigational Device Evaluation (IDE) study site. (Principal Investigator) - 2005 to Present.

Kineflex™ Lumbar Disc Arthroplasty, FDA, Investigational Device Evaluation (IDE) study site. (Principal Investigator) - 2005 to Present.

A Randomized, Controlled Clinical Study to Evaluate the Safety and Effectiveness of Cortoss® Synthetic Cortical Bone Void Filler in Vertebral Augmentation. FDA, Investigational Device Evaluation (IDE) study site. 2004 to Present.

Research Activities: (Continued)

Comparison of static versus dynamic plating in anterior cervical fusion for 1, 2 & 3 level fusions. Class I, Prospective, randomized, IRB approved study. 2002 – 2008. (US Principle Investigator)

IDET – Intradiscal Electrothermal Therapy for the treatment of chronic discogenic low back pain. Prospective clinical trial. 1999 – 2006.

Investigational Device Evaluation (IDE) study site for the Synthes Contact Fusion Cage. 1999-2002.

Studying the effects of Transforming Growth Factor Beta and Electromagnetic Fields on Early Fracture Healing in the Fischer Rat Model. 1993-1994

PRESENTATIONS:

International:

“Minimally Invasive Lumbar Fusion – TLIF and Pedicle Screw Instrumentation”

20th Annual Disorders of the Spine

Whistler, Canada. January 20-22, 2008 (3 workshop presentations & Laboratory and case discussion moderator)

Comparison of Pressure-Effects on Adjacent Disc Levels Following 2-Level Lumbar Constructs:

Fusion, Hybrid and Total Disc Replacement (PODIUM)

Spine Arthroplasty Society, 7th Annual Meeting,

Berlin, Germany. May 3, 2007

A Prospective Randomized Study Comparing Two Lumbar Total Disc Replacement Devices (POSTER)

Authors: Richard D. Guyer, M.D., Pierce Nunley, M.D., Scott L. Blumenthal, M.D., et. Al.

Spine Arthroplasty Society, 7th Annual Meeting,

Berlin, Germany. May 1-4, 2007

Intradiscal Electrothermal Therapy (IDET) for Low Back Pain in Worker’s Compensation Patients:

Long Term Results (POSTER)

Spine Across the Sea 2006 (sponsored by NASS & Japanese Spine Research Society)

Maui, HI July 23-27, 2006

“Cervical Pseudarthrosis following ACF with Plating – Treatment Options and Rationale”

17th Annual Disorders of the Spine (PODIUM)

Whistler, Canada. January 20, 2005

“Lumbar Fusion Cages – Geo™ PLIF and ALIF applications in the Lumbar Spine”

17th Annual Disorders of the Spine

Whistler, Canada. January 2005 (5 presentations & workshop instructor)

“Lumbar Fusion Cages – Geo™ PLIF and ALIF applications in the Lumbar Spine”

16th Annual Disorders of the Spine

Whistler, Canada. January 2004 (4 presentations and lead workshop instructor)

“Lumbar Fusion Cages – Geo™ PLIF and ALIF applications in the Lumbar Spine”

15th Annual Disorders of the Spine

Whistler, Canada. January 2003 (5 presentations and lead workshop instructor)

International: (Continued)

“Image Acquisition, Processing, and Organization for Medical Presentations.” (PODIUM)
15th Annual Disorders of the Spine
Whistler, Canada. January 22, 2003.

“Lumbar Fusion Cages – Geo™ PLIF and ALIF applications in the Lumbar Spine” (PODIUM)
14th Annual Disorders of the Spine
Whistler, Canada. January 2002 (5 presentations and lead workshop instructor)

"Management of Discogenic Pain of the Lumbar Spine." (PODIUM)
Current Concepts in the Treatment of Spinal Disorders.
Cancun, Mexico. January 1999

"Operative Treatment of Lumbar Disc Disease with Discogenic Pain."
5th International Meeting on Advanced Spine Techniques.
Sorrento, Italy. May 1998

National:

Debate: Lumbar TDR's are the surgical treatment of choice for young adults with painful intervertebral disc disease at L5-S1 –
Position: AGAINST
Point-Counter-Point Surgeon Panel Debates
Key West, FL May 29-June 1, 2008

Debate: Physician relationships and investments within the industry – ethical and/or legal problem or not? Position: FOR
Point-Counter-Point Surgeon Panel Debates
Key West, FL May 29-June 1, 2008

In vitro Biomechanical Analysis of the Spine Using Pedicle Screws and Rods: Ti-6Al-4V vs. NiTi (Nitinol) (POSTER)
Spine Arthroplasty Society 8th Annual Meeting
Miami, FL May 6-9, 2008.

Prospective Randomized Clinical Trial to Compare the Clinical Outcomes of Total Disc Arthroplasty with ACDF in One-level Degenerative Disc Disease of Cervical Spine: Preliminary Results (POSTER)
Spine Arthroplasty Society 8th Annual Meeting
Miami, FL May 6-9, 2008.

Motion or Fusion? --- Fusion? Biomechanics and clinical data of promising next generation ‘stand-alone’ anterior implants
Spine Arthroplasty Society 8th Annual Meeting, PODIUM
Miami, FL May 8th, 2008.

The X-STOP® IPD Critical Review of system and current clinical data
ISIS Investigator Meeting and Superior Certification Training
San Clemente, CA May 3, 2008

“Legislative Symposium: Gain Sharing and Physician Investment in Ancillary Services”
Emerging Technologies Spine Education Summit, 4th Annual Meeting
Jackson Hole, WY. February 7, 2008

“OptiMesh and Allograft for Fusion – Early Results of the US IDE Multi-Center Study”
Emerging Technologies Spine Education Summit, 4th Annual Meeting
Jackson Hole, WY. February 8, 2008

National: (Continued)

“P4P and PQRI – Outcomes are the future. An introduction to a powerful Web-Based Outcome Tool to be competitive in outcomes data collection”

Selby Spine 2008

Park City, UT February 2, 2008

“Cortoss Vertebroplasty – Results and Case Presentations of the US IDE Study”

Selby Spine 2008

Park City, UT February 1, 2008

“Posterior Cervical Foraminotomy- MIS (Minimally Invasive Surgery) is better”

NASS Annual Meeting Symposium: **Minimally Invasive Surgery: Is it worth the Switch?**

North American Spine Society, 22nd Annual Meeting. Austin, TX October 27, 2007

“ Fusion versus Hybrid after 2-level lumbar discectomy: Does the construct actually affect pressure at adjacent levels? A biomechanical study” (POSTER)

North American Spine Society, 22nd Annual Meeting. Austin, TX October 23-27, 2007

“ Should number of levels determine the choice of plate-design in ACDF? Results of a prospective randomized single-blind trial “ (Podium)

North American Spine Society, 22nd Annual Meeting. Austin, TX October 25, 2007

“Dynamic vs. Static Plates for Single vs. Multi-Level ACDF: Results of a Prospective Randomized Single-Blind Trial”

14th Advanced Techniques in Cervical Spine Decompression and Stabilization Course

St. Louis University/Washington University, St. Louis, MO, August 3, 2007

“AxiaLIF: Biomechanics and Cumulative Multi-Center Outcomes Data”

Emerging Technologies Spine Education Summit, 3rd Annual Meeting

Telluride, CO. February 9, 2007

“Surgeon Collaboration Tools: The Future is here”

Selby Spine 2007

Park City, UT February 3, 2007

“AxiaLIF: Innovative LEAST invasive approach to L5-S1 Lumbar Fusion”

Selby Spine 2007

Park City, UT February 2, 2007

“A Prospective Randomized Trial to Compare the long-term Clinical and radiological outcomes of ACDF surgery using Dynamic Versus Static Cervical Plates”

Cervical Spine Research Society

Palm Beach, FL November 2006

“XLIF (eXtreme Lateral Interbody Fusion)”

Baylor College of Medicine Grand Rounds – Invited Guest Speaker

Houston, TX September 1st, 2006

“XLIF: Minimally Invasive Far-Lateral, Utilitarian Approach to the Lumbar Disc ”

Selby Spine 2005, Park City, UT, February 2006.

“The Role of Internet Collaboration in Evidence – Based Medicine”

Selby Spine 2005, Park City, UT, February 2006.

National: (Continued)

“Overview of Whiplash Injury.” Lecturer and Session Moderator
Emerging Technologies in Spine Education Summit, 2nd Annual Meeting
Telluride, CO, January 26, 2006.

“Surgical Management of Whiplash.” Lecturer and Session Moderator
Emerging Technologies in Spine Education Summit, 2nd Annual Meeting
Telluride, CO, January 26, 2006.

“Decreased Fusion Rates Following IDET Treatment”. Lecturer and Session Moderator
Emerging Technologies in Spine Education Summit, 2nd Annual Meeting
Telluride, CO, January 27, 2006.

“Interesting Cervical and Lumbar Cases” – Case discussion session
SeaSpine Annual Users Meeting, Dana Point, CA August 26th-28th, 2005.

“Dynamic Stabilization of the Lumbar Spine – Dynesys Update”
Selby Spine 2005, Park City, UT, February 2005.

“Cervical Plating – Dynamic vs. Static: Which is better?”
Selby Spine 2005, Park City, UT, February 2005.

“Enhancing Patient Care through Advanced Diagnostic Image Management”
WebMD National Users Conference. Orlando, FL, May 13, 2004.

“EMR - The conversion to a Paperless & Filmless office”
Selby Spine 2004, Park City, UT, January 2004.

“IDET - A worthwhile tool in the treatment of Chronic Discogenic Low Back Pain”. American Academy of Disability
Evaluating Physicians, 17th Annual Scientific Session. New Orleans, LA November 15, 2003

“Anterior Column Support in Lumbar Fusion Surgery”. Facilitating Fusion with Biologics and Spinal Hardware.
Renaissance Harborplace Hotel. Baltimore, MD. June 20th-21st, 2003.

"Innovations in Lumbar Surgery" an Instructional Course Lecture,
21st Annual Congress of the National Association of Orthopaedic Nurses
New Orleans, LA. June 2001.

Instructor at Synthes USA Spine Intermediate Training Class
Paoli, PA. October 1998

"Arthroscopic Ulnohumeral Arthroplasty of the Elbow."
Annual Meeting of the American Academy of Orthopaedic Surgeons
Atlanta, GA. February 1996

"Effects of Transforming Growth Factor-Beta and Electromagnetic Fields on Early Fracture Healing in the Fischer Rat."
American Orthopaedic Association, 28th Annual Resident's Conference
Pittsburgh PA. March 1995

Regional:

“Diagnosis and Treatment of Discogenic Pain – Non-operative and Operative”
Louisiana Association of Nurse Practitioners, 12th annual Meeting
Shreveport, LA October 7th, 2006

“Current Treatments for Discogenic Pain – The Role of the Artificial Disc”
Mid South Occupational & Environmental Association Annual Meeting
Shreveport, LA November 12, 2005

“Diagnosis and Current Treatment of Discogenic Low Back Pain”
Green Clinic, Ruston, LA August 6th, 2005

“Neck Injuries, Surgery, and Return to Play in the Athlete”
Annual Meeting of the Louisiana Athletic Trainers Association
Shreveport, LA. June 2001

“The Biology of Bone Healing in Spinal Fusions” &
“FRA Technique in Spinal Fusion Surgery” (2 separate lectures)
Current Concepts in Lumbar Spinal Fusions, Synthes USA
New Orleans, August 25-26, 2000

"Neck and Back Update - Current & New Treatments." Community Education Program.
Shreveport, LA. April 1999

"Diagnosis and Treatment of Two Common Spinal Disorders: Lumbar Herniated Nucleus Pulposus and Degenerative Disc Disease with Chronic Discogenic Pain." 7th Annual Perianesthesia Conference.
Springfield, MO. September 1998

"Stabilization and Treatment of Long Bone Fractures of the Lower Extremities."
Emergency Department Monthly Guest Speaker.
Springfield, MO. August 1998

"Percutaneous Epiphysiodesis for Leg Length Inequality."
Annual LSUHC Orthopaedic Surgery Research Conference
Shreveport, LA. June 1996

"Arthroscopic Ulnohumeral Arthroplasty for Severe Degenerative Joint Disease of the Elbow."
Annual Meeting of the Louisiana Orthopaedic Association,
New Orleans, LA. September 1995

"Arthroscopic Ulnohumeral Arthroplasty for Severe Degenerative Joint Disease of the Elbow."
Annual LSUHC Orthopaedic Surgery Research Conference
Shreveport, LA. June 1995

"Effects of Transforming Growth Factor Beta and Electromagnetic Fields on Early Fracture Healing in the Fischer Rat."
Annual Meeting of the Louisiana Orthopaedic Association,
New Orleans, LA. October 1994

"Effects of Transforming Growth Factor Beta and Electromagnetic Fields on Early Fracture Healing in the Fischer Rat."
Annual LSUHC Orthopaedic Surgery Research Conference,
Shreveport, LA. June 1994

Regional (Continued):

"Comparison of Primary Pontoon Spica Casting versus Traction with Secondary Spica Casting for Treatment of Diaphyseal Femur Fractures in the Pre-Adolescent Age Group."
Annual LSUMC Orthopaedic Surgery Research Conference
Shreveport, LA. June 1993

CONTINUING MEDICAL EDUCATION

Total Hours 2008: 75 Hours Accredited + 39.0 Hours Non-Accredited	114
Point-Counter-Point Surgeon Panel Debates Key West, FL May 29-June 1, 2008	7*
3 rd Annual Ascend Course: Controversies in Contemporary Spine Surgery Washington, D.C. May 16-17, 2008	3.5
SAS8 (Spine Arthroplasty Society, 8 th Annual Meeting) Miami, FL May 6-10, 2008	15
ISSI Investigator Meeting and Superior Certification Training San Clemente, CA May 2-3, 2008	8*
Visiting Surgery Professor – Mr. Ross Manchester, England March 28-29, 2008	8*
Visiting Surgery and Clinic Professor - Prof. Jérôme Allain, M.D. Service de Chirurgie Orthopédique, Hospital Henry Mondor Paris, France March 24-27, 2008	16*
American Academy of Orthopaedic Surgeons, 75th Annual Meeting San Francisco, CA March 5-9, 2008	20
Emerging Technologies Spine Education Summit Jackson Hole, WY February 6-9, 2008	15
Selby Spine Conference 2008 Park City, UT. January 30-February 2, 2008	12
Disorders of the Spine, 20 th Annual Meeting Whistler, Canada. January 19-23, 2008	9.5

Total Hours 2007: 173.0 Hours Accredited + 48.5 Hours Non-Accredited	221.5
Introduction to Evidenced Based Medicine NASS Sponsored Online Course, December 2007 (Multiple Sessions)	18
JBJS CME Exam: CME 4: October, November, December 2007 JBJS Website, December 2007	10
Cervical Spine Research Society 35 th Annual Meeting San Francisco, CA November 28 th -December 1 st , 2007	17
JBJS CME Exam Spine Test 10, Fall 2006 JBJS Website (Completed: 11/11/2007)	4
North American Spine Society, 22 nd Annual Meeting Austin, TX October 23-27 2007	27
Synthes ProDisc-L Training SpineMark Medical Conference Center, Dallas, TX September 14-15, 2007	8*
JBJS CME Exam: CME 2: April, May, June 2007 JBJS Website (Completed: 9/12/2007)	10
14 th Advanced Techniques in Cervical Spine Decompression and Stabilization Course St. Louis University/Washington University, St. Louis, MO, August 3-4, 2007	16.5
Complex Spine Study Group Washington, D.C., July 27 th , 2007	7*
4 th Annual, Innovative Techniques in Spine Surgery Los Cabos, Mexico, June 27-30, 2007	12.5
GPS Summit Colorado Springs, CO June 7-9, 2007	11*
STALIF Summit & Regatta Newport, RI June 2, 2007	3.5*

Collaborative IRB Training Initiative (CITI) Online Training and Testing University of Miami & Western Institutional Review Board, May 9, 2007	2*
Global Symposium on Motion Preservation Technology Spine Arthroplasty Society, 7 th Annual Meeting Berlin, Germany May 1-5, 2007	25
LDR Spine Mobi-C Investigators Meeting Phoenix, AZ April 14-15, 2007	4*
2 nd Annual Ascend Course: Controversies in Contemporary Spine Surgery Phoenix, AZ February 23-24, 2007	3.5
Lateral Access Proctor and New Technique Training San Diego, CA February 12-13, 2007	8*
Emerging Technologies Spine Education Summit Telluride, CO February 7-10, 2007	18
Selby Spine Conference 2007 Park City, UT. January 31-February 3, 2007	11.5
Spinal Motion Cervical Principal Investigators Meeting Dallas, TX. January 26 ⁻²⁷ , 2007	5*

Total Hours 2006: 147.0 Hours Accredited + 0 Hours Non-Accredited	147.0
Cervical Spine Research Society 34 th Annual Meeting Palm Beach, FL November 30 th -December 2 nd , 2006	15
North American Spine Society, 21 st Annual Meeting Seattle, WA September 26 th -30 th , 2006	25
Spine Across the Sea 2006 (sponsored by NASS & Japanese Spine Research Society) Maui, HI July 23-27, 2006	20.5
American College of Spine Surgery 8th Annual Meeting and Spine Surgery Review Course Colorado Springs, CO May 4-7, 2006	18.5
Federation of Spine Associations Chicago, IL February 16, 2002	8.5
American Academy of Orthopaedic Surgeons, 73rd Annual Meeting Chicago, IL March 22-26, 2006	31
Emerging Technologies Spine Education Summit Telluride, CO January 26-28, 2006	16
Selby Spine Conference 2006 Park City, Utah February 1-4, 2006	12.5

Total Hours 2005: 105 Hours Accredited + 58 Hours Non-Accredited	163
Spinal Focus 2005 New York, New York Dec 9-10, 2005	10*
Kineflex Lumbar & Cervical Disc Replacement Training Shreveport, LA November 4, 2005	6*
North American Spine Society, 20th Annual Meeting Philadelphia, PA September 27 th – October 1 st , 2005	24.5
SeaSpine Users Meeting Dana Point, CA August 26-28, 2005	10*
World Spine III Rio de Janeiro, Brazil July 31-August 3, 2005	22.5
Operated with Luiz Pimenta Sao Paulo, Brazil July 29-31, 2005	16*

Artificial Disc Revision Course Memphis, TN April 28-29, 2005	8*
Emerging Technologies Spine Education Summit Telluride, CO March 3-5, 2005	15
XLIF & Minimally Invasive TLIF Didactic and Cadaveric Course – Drs. Pimenta & Peterson San Diego, CA February 20-21, 2005	8*
Selby Spine Conference 2005 Park City, Utah February 2-5, 2005	10.5
Disorders of the Spine, 17 th Annual Meeting Whistler, Canada. January 15-21, 2005	32.5

Total Hours 2004: 90 Hours Accredited + 28 Hours Non-Accredited	118
PRINCIPLES OF DYNAMIC STABILIZATION - THE DYNESYS SYSTEM University of Pittsburgh, Dept. of Neurosurgery, Pittsburgh, PA December 17-18, 2004	8*
CHARITÉ Artificial Disc Training Course The Center for Spine Arthroplasty, Cincinnati, OH December 16-17, 2004	9*
Risk Management Rounds: Physicians Medical Risk Management, Inc., Houston, Texas	5
North American Spine Society, 19th Annual Meeting Chicago, IL October 25-30, 2004	29.5
American College of Spine Surgery 6th Annual Meeting and Spine Surgery Review Course Scottsdale, AZ September 22-26, 2004	21
Selby Spine Conference 2004 Park City, Utah February 28-31, 2004	11*
Disorders of the Spine, 16 th Annual Meeting Whistler, Canada. January 17-23, 2004	34.5
Total Hours 2003: 89.5 Hours Accredited + 21 Hours Non-Accredited	110.5
American Academy of Disability Evaluating Physicians, 17 th Annual Scientific Session New Orleans, LA November 13-15, 2003	12
North American Spine Society, 18th Annual Meeting San Diego, CA October 21-25, 2003	28
Lumbar Spine – Challenges & Innovations Scottsdale, AZ. September 18-20, 2003	10*
Occupational Care Management Conference – Patient Care The Johns Hopkins University, New Orleans, LA August 16-17, 2003	12
The Downward Spiral of Vertebral Osteoporosis Cedars-Sinai Medical Center, June 26, 2003	3
Selby Spine Conference 2003 Park City, Utah February 6-9, 2003	11*
Disorders of the Spine, 15 th Annual Meeting Whistler, Canada. January 19-25, 2003	34.5

Total Hours 2002: 96 Hours Accredited + 11 Hours Non-Accredited	107
North American Spine Society, 17th Annual Meeting Montreal, Quebec October 29-November 2, 2002	28.5
Interbody Challenges of the Lumbar Spine – Discussion Group Carlsbad, CA September 12-14, 2002	8*
INFUSE Bone Graft/LT-CAGE National Educational Videoconference Dallas, TX July 20, 2002	3*

Jousting, Chart Wars, Falling on the Sword -- Avoid the Classics LAMMICO Online Lecture Series, Shreveport, LA June 27, 2002	1
Informed Consent Update LAMMICO Lecture Series, Shreveport, LA March 26, 2002	1
American Academy of Orthopaedic Surgeons, 69th Annual Meeting Dallas, TX February, 13-17, 2002	24
Federation of Spine Associations Dallas, TX February 16, 2002	7
Disorders of the Spine, 14 th Annual Meeting Whistler, Canada. January 19-25, 2002	34.5

Total Hours 2001: 47.5 Hours Accredited + 33 Hours Non-Accredited	80.5
North American Spine Society, 16th Annual Meeting Seattle, WA October 31-November 4, 2001	26.5
Advances in Vertebroplasty American OsteoMedix/Interpore-Cross New Orleans, LA October 12-13, 2001	8*
CPTe, E&M, and ICD-9 coding for the Physician Shreveport, LA August 16, 2001	2
Medical Ethics – PDR.NET Online Education, CMEweb – Sections 503, 504, 505, 506 July 14, 2001	6
Interbody Challenges of the Lumbar Spine Discussion Group (An “Invitation Only” meeting of experts in Lumbar Interbody technology) Moderator – Hallett H. Mathews, MD, MidAtlantic Spine Specialists, Medtronic Cabo San Lucas, Mexico. June 21-23, 2001	8 *
Medical Privacy and Security LAMMICO Lecture Series, Shreveport, LA 6/5/2001	1
Indications & Techniques for Anterior Cervical Spine Plating Interpore Cross Cervical Spine Study Group Annual Meeting Cancun, Mexico, May 11-13, 2001	5 *
Why Patients Become Plaintiffs LAMMICO Lecture Series, Shreveport, LA 4/24/2001	1
Selby Spine Conference 2001 Park City, Utah February 8-10, 2001	11
Modern Concepts in Anterior Lumbar Surgery 2001 DePuy AcroMed, New Orleans, LA January 11 - 13, 2001	12 *

Total Hours 2000: 82.5 Hours Accredited + 15 Hours Non-Accredited	97.5
Kyphon Vertebroplasty Training Workshop Memphis, TN October 13-14, 2000	7 *
North American Spine Society, 15th Annual Meeting New Orleans, LA October 24-28, 2000	26
Osteoporosis: Rationale & Current Trends in Treatment Shreveport, LA September 27, 2000	1
Degenerative Spinal Disease: Selecting Surgical Techniques 6 th Spine Surgeons International Symposium Napa, CA. September 21-23, 2000	12
Spinal Osteoplasty/Vertebroplasty American OsteoMedix Ellicott, MD. July 21-22, 2000	8 *

Practical Steps to Avoid Fraud & Abuse LAMMICO CME, Shreveport, LA 7/18/00	1
Amer. Academy of Orthopedic Surgeons, 67th Annual Meeting Orlando, FL March 15-19, 2000	24.5
Federation of Spine Associations Orlando, FL March 19, 2000	7
Selby Spine Conference 2000 Winter Park, CO February 9-13, 2000	11

Total Hours 1999: 119.5 Hours Accredited	119.5
Current Concepts in the Treatment of Spinal Disorders West Virginia School of Medicine Cancun, Mexico January 8-10, 1999	8
Bone Growth Factors & Substitutes: The Next Generation for Spinal Fusion Keystone, Colorado December 11-12, 1999	10
North American Spine Society, 14th Annual Meeting Chicago, IL October 20-24, 1999	28
AAOS Practical Strategies in Spine Surgery; Current Applications & Techniques Chicago, IL August 5-8, 1999	24
CME under the SEA Belize May 8-16, 1999	7
American Academy of Orthopaedic Surgeons, 66th Annual Meeting Anaheim, CA February 3-8, 1999	28.5
Federation of Spine Associations Anaheim, CA February 7, 1999	7
Current Concepts in the Treatment of Spinal Disorders Cancun, Mexico January 7-10, 1999	7
Total Hours 1998: 91.15 Hours Accredited + 12 Hours Non-Accredited	103.15
North American Spine Society, 13th Annual Meeting San Francisco, CA October 1998	21.65
Adult Spine Self-Assessment Examination July 1998	10
Surgical Observation Workshop Twin Cities Spine Center Minneapolis, MN. May 1998	12 *
Adult Spine Self-Assessment Examination May 1998	10
5th International Meeting on Advanced Spine Techniques Sorrento, Italy May 1998	16.0
American Academy of Orthopaedic Surgeons, 65th Annual Meeting New Orleans, LA March 1998	26.5
Federation of Spine Associations New Orleans, LA March 1998	7.0

Total Hours 1997: 59 Hours Accredited + 16 Hours Non-Accredited	75
North American Spine Society 12th Annual Meeting New York, NY October 1997	33
AO Advanced Forum for Spine Surgeons Nottingham, England September 1997	26

BAK Training Course, Dallas Spine Group. Dallas, TX January 10, 1997	8*
MicroEndoscopic Discectomy Training, K. Foley, M.D. Memphis, TN January 1997	8 *

Total Hours 1996: 110.5 Hours Accredited + 25 Hours Non-Accredited	135.5
EuroSpine '96 - European Spine Society Zurich, Switzerland October 1996	25 *
Southwestern Orthopaedic Surgery Review, May 10-12, 1996	25
12th Annual Comprehensive Review Course March 1996	50
American Academy of Orthopaedic Surgeons 63rd Annual Meeting Atlanta, GA February 1996	28.5
Federation of Spine Associations Atlanta, GA February 1996	7.0
Orthopedic Research Society Annual Meeting San Francisco, CA February 1996	29.0
* = indicates the hours are NOT accredited. Given simply to indicate the number of hours of educational activity.	

PERSONAL & PROFESSIONAL REFERENCES:

Furnished upon request