

CURRICULUM VITAE

NAME: David R. Lionberger, M.D.

ADDRESS: Southwest Orthopedic Group, L.L.P.
6560 Fannin, Suite 1016
Houston, Texas 77030

DATE OF BIRTH: January 8, 1951

UNDERGRADUATE EDUCATION: University of Missouri
Columbia, Missouri
B.A. - Chemistry
1969 - 1973

MEDICAL OR GRADUATE EDUCATION: University of Missouri Medical School
Columbia, Missouri
M.D. Degree
1973 - 1977

Oschner Clinic
New Orleans, Louisiana
Clinical Externship
1974

University of Texas Southwestern Medical School
Dallas, Texas
Externship in Thoracic Surgery
1976

Baylor College of Medicine Affiliated Hospitals
Houston, Texas
Internship in General Surgery
1977 - 1978

POSTGRADUATE TRAINING: Baylor College of Medicine Affiliated Hospitals
Houston, Texas
Residency in Orthopedic Surgery
1978 - 1981

Harvard Medical School
Boston, Massachusetts
Teaching Fellowship and Research Fellowship
1981 - 1982

CURRENT FACULTY POSITIONS: Clinical Associate Professor
Baylor College of Medicine
Department of Orthopedic Surgery
Houston, Texas

CURRENT INDUSTRY CONSULTING AGREEMENT AND Pfizer: Research Development & National Speaker
Bureau
Zimmer: Navigation Team Development, Research,

AFFILIATIONS International Speaker, Instructor
Procter & Gamble: Research Agreement

SPECIALIZED TRAINING NASA Physiologic Training
 March 10, 1993

HONORS & AWARDS: Alpha Chi Sigma Chemistry Honorary – University of Missouri
 Dean's List for Academic Excellence – University of Missouri
 Fortune Magazine: "Best Doctor" list of 2004
 Texas Monthly Magazine "Super Doctor" 2004-2006
 First to perform Electromagnetic Computer-assisted Surgery to perform Minimally-invasive Total Knee Replacement on February 14, 2005

AMERICAN BOARD OF ORTHOPAEDIC SURGEONS: Certified 1986
 Recertified 1997

OTHER NON-ACADEMIC POSITIONS: Team Physician
 Gamblers Professional Football Team
 Consultant - 1988-89 Season
 Charter Board Member, Houston Children's Chorus
 1991 – Present
 Charter Member, American Association of Hip and Knee Surgeons
 1991 – Present
 Planning and Development Committee Member
 Western Orthopedics
 1992 – Present
 Consultant for Space Station Medical Contingency Planning for "Extended man Orbit Missions," NASA (Space Station - Freedom)
 1992 – Present

WORK HISTORY: Southwest Orthopedic Group, L.L.P.
 6560 Fannin, Suite 1016
 Houston, Texas 77030
 (713) 333-4100
 2004 - Present
 Hopestar Orthopedic Group, L.L.P.

6550 Fannin, Suite 2600
Houston, Texas 77030
713-986-5470
1996 - 2004

Scurlock Orthopedic Associates
6560 Fannin, Suite 1900
Houston, Texas 77030
713-797-0666
01/1982 - 1996

**PROFESSIONAL
SOCIETIES:**

American Academy of Orthopedic Surgeons
1987 - Present

American College of Emergency Physicians
1982

Medicus International
1990 - Present

Western Orthopedic Association
1990 - Present

Southern Medical Association
1985 - Present

Association of Arthritis, Hip and Knee Surgery
Charter Member
1991 - Present

Harris County Medical Society
Houston, Texas

Orthopedic Association
1986 - Present

PRESENTATIONS:

"Treatise on Appendicitis," Junior Scientific
Meeting, St. Louis, Missouri, 1968.

"Acetabular Strain Patterns," Grand Rounds for the
Massachusetts General Brigham and Women's
Orthopedic Section, 1982.

"Radiation Synovectomy," Annual New England
Rheumatology Lectureship, Denham, Massachusetts, 1982.

"Modified Blair Fusion," AAOS Foot Society, 1982.

"Chronic Infections in Total Hips and Knees," Central
Orthopedic Society Meeting, 1981.

"Surgical Treatment of Arthritis," Baylor College of Medicine, 1985.

"Total Knee and Total Hip Replacement Concepts," National Medical Congress, San Jose, Costa Rica, December, 1986.

Diagnosis and Treatment of Low Back Pain, San Jose, Costa Rica, 1986.

Radiation Synovectomy Using Dysprosium, St. Luke's Rheumatology Conference, 1986.

"Surgical Treatment of Arthritis," Resident's Teaching Conference, 1985.

"New Frontiers," St. John's School, February, 1987.

"Diagnosis and Treatment of Injuries of the Lower Extremity, Texas Children's Emergency Room Lecture, 1986.

Joe King Lectureship, Case Presentation and Panel Discussion on Arthritis of the Knee, 1988.

"Radiation Synovectomy, an Update and Experience with Dysprosium 165," Texas Association of Physicians in Nuclear Medicine, 1988.

Resection Arthroplasty of the Hip, Resident Lecture Series, 1988.

"Arthritis and Sports Medicine," 3 talks, Admirol Bristol Hospital Lecture Series - Turkey, 1989.

"Treatment of Arthritis of the Joint," Symposium - Clinical Issues for Practicing Orthopedists, July, 1989.

"Total Knee Prosthesis," Advance Medical Training Seminar, Methodist Hospital, March 1991.

"Radiation Synovectomy," Western Orthopedic Conference, Monterrey, California, October, 1992.

"Arthroscopic Surgery in the 3rd Millennium," Arthroscopic Surgery Conference, Cuernavaca, Mexico, October 7 - 10, 1992.

"Arthroplasty - Using the Natural Knee," Erfurt, East Germany, October 31, 1992.

Educational Teaching Tour of the West German Region of the Commonwealth of Germany, October 26 - November 5, 1992.

"Diagnosis and Treatment of Problems of the Shoulder," GAB Injury and Rehab Management Division, Houston, Texas, November 19, 1992.

"Current Concepts in Surgical Treatment of Arthritis of the Lower Extremity," February 23, 1993.

"Current Concepts in Surgical Treatment of Arthritis of the Lower Extremity," February 23, 1993.

"Orthopedic Treatment of Common Knee Disorders," The Wyndham Warwick, October 15, 1994

"Evolution of Arthritis Therapy: Cox 2 Inhibition" Sheraton Astrodome, March 6, 1999

"Celebrex Overview," Redwood Grill, August 12, 1999

"Arthritis Artifacts & Afflictions," January 31, 2001

2002 Pfizer Lectures, National Speaker Bureau, Current Concepts in COX-2 Use and Benefits

- (1) Blue Grass Orthopedics, Lexington, Kentucky
- (2) Bronson Methodist Hospital - Grand Rounds, Lansing, Michigan
- (3) Chelsea Orthopedics, Chelsea, Michigan
- (4) Children's Hospital of Austin, Austin, Texas
- (5) Ft. Wayne Orthopedics, Ft. Wayne, Indiana
- (6) Good Samaritan Hospital - Grand Rounds, Cincinnati, Ohio
- (7) Grand Rapids Hospital - Grand Rounds, Grand Rapids, Michigan
- (8) Indiana Orthopedics, Indianapolis, Indiana
- (9) Ingham Hospital - Grand Rounds, Lansing, Michigan
- (10) ONE Orthopedic Hospital, Ft. Wayne, Indiana, 2002
- (11) Orthopaedics Indianapolis, Indianapolis, Indiana
- (12) OSASA, San Antonio, Texas
- (13) University of Kentucky Orthopedic Department, Lexington, Kentucky
- (14) University of Michigan - Ann Arbor, Ann Arbor, Michigan

"Which Functional Activities are Important to Patients after Total Knee Replacement?" PC Noble, PhD; S

Roberts, BS; MA Conditt, PhD; and DR Lionberger, MD, AAOS, New Orleans, February 16, 2002

"Effects of Notchplasty Size on Tibiofemoral Contact Area," MA Conditt, PhD; SK Ismaily, BS; MJ Merves, MS; JW Alexander, BS; R Bartz, MD; DR Lionberger, MD, AAOS, New Orleans, February 16, 2002

2003 Pfizer Lectures, National Speaker Bureau, Current Concepts in COX-2 Use and Benefits

- (1) Bay Regional Medical Center – Grand Rounds, Detroit, Michigan
- (2) Beaumont Hospital, Beaumont, Texas
- (3) Blue Grass Orthopedics, Lexington, Kentucky
- (4) Central Indiana Orthopedic Associates, Indianapolis, Indiana
- (5) Methodist Hospital, Indianapolis, Indiana
- (6) Michigan Orthopedic Center, Ann Arbor, Michigan
- (7) Mid Michigan Regional Hospital – Grand Rounds, Midland, Michigan
- (8) Mid State Orthopedics, Alexandria, Louisiana
- (9) Mid State Orthopedics, Albuquerque, New Mexico
- (10) OSMS, Alexandria, Louisiana
- (11) Rheumatology Associates, Indianapolis, Indiana
- (12) Texas Tech Medical Center, Lubbock, Texas
- (13) University of Kentucky Orthopedic Department, Lexington, Kentucky
- (14) University of Michigan – Ann Arbor, Ann Arbor, Michigan
- (15) University of New Mexico Medical School – Grand Rounds, Albuquerque, New Mexico

Nuances of Navigation in "Total Knee Replacement," Baylor Orthopedic Grand Rounds, August 13, 2003

National Association of Orthopedic of Gulf Coast Nurses Chapter Talk, September 2003

South Texas Speaker on the Development of COX-2 in Orthopedic Surgery Practice, Austin, Texas, October 2003

2004 Pfizer Lectures, National Speaker Bureau, Current Concepts in COX-2 Use and Benefits

- (1) Baton Rouge Orthopedic Clinic, Baton Rouge, Louisiana
- (2) Carondelet Orthopedics, Kansas City, Missouri
- (3) Cox Health, Springfield, Missouri
- (4) Fullerton Orthopedic, Fullerton, California
- (5) Health Plus of Michigan, Flint, Michigan
- (6) Hurley Hospital – Grand Rounds, Flint, Michigan

- (7) Kansas University Medical Center – Grand Rounds, Kansas City, Kansas
- (8) McLaren Orthopedic, Flint, Michigan
- (9) Orthopedic Specialty Institute, Orange, California
- (10) St. John's Hospital, St. Louis, Missouri
- (11) St. Mary Mercy Hospital, Detroit, Michigan
- (12) Tesson Heights Orthopedics, St. Louis, Missouri
- (13) Texas Academy of Family Physicians, Lufkin and Nacogdoches, Texas
- (14) Texas Orthopedic Association, Austin, Texas
- (15) Torrey Pines Orthopedic, San Diego, California

Televised TV interview on Knee Arthritis Diagnosis and Treatment, March 2004

MIS Quad-Sparing TKA Workshop, Singapore General Hospital, April 14, 2004

Introduction to EM-CAS in TKR, April 14, 2004

Lecture on OR Techniques in Total Knee Replacement using Electromagnetic Computer Assisted Surgery, Singapore, April 16, 2004 (1) Live Surgery EM-CAS MIS-TKR, (2) EM advantages in TKR

Minimally-invasive Total Knee Replacement Surgery, Center for Performing Arts, Houston, Texas, August 2004

2005 Pfizer Lectures, National Speaker Bureau, Current Concepts in COX-2 Use and Benefits

- (1) Advanced Orthopedic Associates, Wichita, Kansas
- (2) ANG Surgery Center, Nashville, Tennessee
- (3) Bay Regional Medical Center- Grand Rounds, Bay City, Michigan
- (4) Boswell Hospital, Phoenix, Arizona
- (5) Clarkston Medical Group, Clarkson, Michigan
- (6) Columbia Hospital – Grand Rounds, Milwaukee, Wisconsin
- (7) Conway Orthopedic and Sports Medicine Clinic, Conway, Arkansas
- (8) Cookeville Orthopedic Clinic, Cookeville, Tennessee
- (9) Decatur Orthopaedic Clinic, Decatur, Alabama
- (10) Lapeer Regional Hospital, Lapeer, Michigan
- (11) Little Rock Internal medicine Clinic, Little Rock, Arkansas
- (12) Pontiac Osteopathic Hospital, Pontiac, Michigan
- (13) Rockford Orthopedic Associates, Rockford, Illinois
- (14) Southwest Ankle and Foot Center, Tucson, Arizona
- (15) St. Joseph Hospital – Grand Rounds, Houston, Texas
- (16) St. Mary's Hospital, Milwaukee, Wisconsin

- (17) TOI Northwest, Tucson, Arizona
- (18) Tri State Orthopedics, Evansville, Indiana
- (19) Tri State Orthopedics, Newburg, Tennessee
- (20) Tucson Orthopedic Institute, Tucson, Arizona
- (21) Vernon County Medical Center, Viroqua, Wisconsin

The Effect of Verticle Cup Replacement on Dislocation after Total Knee Replacement, Noble PC, Paravic, Ismailly S, Lionberger DR, AAOS, Dallas, Texas, 2005

COX-2 Use in Pre-emptive Pain Management in Total Knee Replacements, Wichita, KS, July 21, 2005

How Does COX-2 Inhibition Help in Reducing Pain in the Orthopedic Setting, Wisconsin, August 17, 2005

New Perspectives in COX-2 Inhibition: Cardiovascular Profile and Pain Implications, Nashville, TN, August 30, 2005

Pre-emptive Pain Control Using Celecoxib in Orthopedic Surgery, Nashville, TN, August 30, 2005

Celebrex and Controlling Post-operative Pain, Arizona/New Mexico, October 25, 2005

Cardiovascular Profile in Celecoxib and Other Non-Steroidals, Arizona/New Mexico, October 25, 2005

2006 Pfizer Lectures, National Speaker Bureau, Current Concepts in COX-2 Use and Benefits

- (1) Amarillo Sports Medicine Clinic, Amarillo, Texas
- (2) Center of Orthopedic Surgery, Lubbock, Texas
- (3) Lubbock Sports Medicine Clinic, Lubbock, Texas
- (4) Northwest Texas Hospital, Amarillo, Texas

Knee Nuances, Navigation in MIS-TKR, Grand Rounds, UT Department of Orthopedic Surgery, Lubbock, Texas, February 2006

Australia Trip Talks & Surgery

- (1) EM-CAS in MIS-TKR, January 7, 2006
- (2) Accuracy of EM-CAS in MIS-TKR: a clinical study of 46 patients, January 7, 2006
- (3) Unedited TKR using EM-CAS in an MIS application, January 8, 2006

AAOS/ORS 2006 Annual Meeting, Chicago, IL

- (1) EM-CAS is as Accurate as IR: a validation bench study, March 21, 2006

- (2) EM-CAS versus IR-CAS for TKR: a comparison of accuracy, March 22, 2006
- (3) Elimination of Common Metallurgical Interference in the OR Environment after using EM-CAS, Poster 612
- (4) Is There Any Attraction to EM Navigation in MIS-TKR?, Poster 183

AAOS/ORS 2007 Annual Meeting, San Diego, CA

- (1) What Have We Learned After 300 Electromagnetic Guided MIS TKR?, Podium presentation #497
- (2) Interference from Common Surgical Instruments Using Electromagnetic Surgical Navigation, Poster #248

CAOS 2007 Annual Meeting, Korea

- (1) Electromagnetic vs Infrared Surgical Navigation Systems for TKA: Comparison of Accuracy Bench Study, March 30, 2007

NEWS RELEASES:

"Perfect Alignment" Computer-Assisted Surgery in Total Knee Replacement, Houston Chronicle, August 5, 2003

"EM Navigation is as accurate as IR in TKR, AAOS Academy News, March 2006

PUBLICATIONS:

The modified Blair fusion. Lionberger DR, Bishop JO, Tullos HS. Foot Ankle. 1982 Jul-Aug;3(1):60-2.

Bilateral fracture of the transverse process of the atlas. Clyburn TA, Lionberger DR, Tullos HS. J Bone Joint Surg Am. 1982 Jul;64(6):948.

Failed total knee Arthroplasty: Revision and arthrodesis for infection and noninfectious complications. Woods GW, Lionberger DR, Tullos HS. Clin Orthop Relat Res. 1983 Mar;(173):184-90.

"Prosthetic Acetabular Strains on the Pelvis," Poster Session AAOC, 1984, Lionberger DR, Walker PS.

Lionberger D, Walker PS, Granholm J. Effects of prosthetic acetabular replacement on strains in the pelvis. J Orthop Res. 1985;3(3):372-9.

Treatment of rheumatoid synovitis of the knee with intraarticular injection of dysprosium 165-ferric hydroxide macroaggregates. Sledge CB, Zuckerman JD, Zalutsky MR, Atcher RW, Shortkroff S, Lionberger DR,

Rose HA, Hurson BJ, Lankenar PA Jr, Anderson RJ, Bloomer WA. Arthritis Rheum. 1986 Feb;29(2):153-9.

"Newer Isotope Shows Promise in Radiation Synovectomy," Lionberger DR, Clinical Perspectives, Volume 5, No. 1. January 1992, 7.

A knowledge-based computer-aided design and manufacturing system for total hip replacement. Reuben JD, Chang CH, Akin JE, Lionberger DR. Clin Orthop Relat Res. 1992 Dec;(285):48-56.

"Outcome Assessment in Total Knee Replacements," Noble PC, Lionberger DR, Weiss JM. Association of Hip and Knee Surgeons, 2002.

Celecoxib does not affect osteointegration of cementless total hip stems. Lionberger DR, Noble PC. J Arthroplasty. 2005 Oct;20(7 Suppl 3):115-22.

"What Have We Learned After 300 Electromagnetic Guided by MIS TKR?," Lionberger, DR, Ho DM, Law L, Nguyen NA, Noble PC, AAOS 2006.

"Balancing the Flexion and Extension Gap: No Longer Adequate when Aiming for Ideal Postoperative Performance in MIS-TKR", Lionberger DR, Nguyen NA, Guerra R, AAOS 2006.

"Chronic Infections in Total Hip Arthroplasties: An End Result Study". Revision in progress.

"Biochemical Variations in Osteo and Rheumatoid Arthritis - An In Vitro Study. Manuscript in progress.

"The Effects of Notchplasty on Joint Reactive Forces of the Knee" Bartz R, Noble PC, Lionberger DR. Manuscript in progress.

"Computer-Assisted Navigations in Total Knee Replacement: Cost Convenience and Capabilities," Lionberger DR, Noble PC, Thompson M, Ding B, Manuscript in progress.

"Alternate Waypoint to Determine Hip Center Reference for Computer-Assisted Orientation Surgery." Lionberger DR. Manuscript in progress.

"How Does Electromagnetic Navigation Stack Up Against Infrared Navigation in Minimally-Invasive Total Knee Replacement?" Lionberger DR, Weise J, Ho DM, Haddad JL.

Manuscript in progress.

"Elimination of Interference From Common Surgical Instruments During Electromagnetic Surgical Navigation," Lionberger DR, Stevens F, Conditt, MA, Kulkarni, N, Ismaily, SK, Noble, PC, Baylor College of Medicine: Institute of Orthopedic Research and Education, Houston, TX, Pending Publication.

BOOK CHAPTERS:

The Attraction of Electromagnetic Computer-Assisted Navigation in Orthopedic Surgery. Lionberger DR. Norman Scott.

"Chapter 9: The Attraction of EM in CAS-TKR." Navigation and MIS in Orthopedic Surgery. Lionberger DR, Stiehl, Konermann, Oaecher. Springer Medizin Verlag Publishing.

**CONTINUING
MEDICAL
EDUCATION:**

Trauma to Major Joints and Extremities Meeting, Richmond, Virginia, AAOS, 1974.

Schriner's Hospital Lectureship, Houston, Texas, 1979 - 1980.

Edward R. Smith Lectureship, Houston, Texas, 1979 - 1980.

External Fixation of Fractures, San Antonio, Texas, 1979.

Trauma to the Foot and Ankle Meeting, San Diego, California, AAOS, 1980.

St. Luke's Symposium of Children's Orthopedics, Houston, Texas 1979 - 1981.

Joe King Lectureship Series, Houston, Texas 1979 - 1981.

Bone and Soft Tissue Tumors - St. Luke's Hospital July, 1989.

Wilhelmina Barnhart Lectureship, Houston, Texas 1979 - 1981.

Baylor Symposium - Bone and Soft Tissue Tumors, 1986 (6 hours).

American Academy of Orthopedic Surgery Continuing

Education, 1986 (65 hours).

Wilhelmina Barnhart Lectureship, 1986 (6 hours).

9th International Congress of Medicine, Central America, 1986.

Compliment Design of Fixation Methodology in Total Joint Arthroplasty, 1987 (6 hours).

AAOS, Annual Meeting, 1987 (36 hours).

Component Design and Methodology in Total Joints, Vail, Colorado, 1987.

Cardiopulmonary Resuscitation Course, 1986 to present, annual (2 hours).

Texas Association of Physicians in Nuclear Medicine, October, 1988 (8 hours).

Physician's Recognition Award of AMA, 1987, Category I, (24 hours).

AAOS "Advanced Concepts in ACL Deficient Knee," 1988 (18 hours).

Continuing Medical Education - Baylor, 1988 Category I, (36 hours).

Management of Orthopedic Trauma, May 1989 (10.5 hours)

"Current Concepts in Total Knee Replacement," Matagorda County Hospital, 1989.

Symposium - Clinical Issues for Practicing Orthopedists, Baylor College - Methodist Hospital July, 1989.

Controversies in Total Knee Replacements, September, 1989, University of Texas at Houston.

Continuing Medical Education - Baylor, 1989 (27 hours)

University of Utah, "Arthritic Hips, Knees, and Shoulders, January, 1990 (17.5 hours)

Symposium Orthopedics, New Orleans, Louisiana February, 1990 (43 hours)

Wilhelmina Barnhart Lectureship, "Controversies in Hip Surgery," March, 1990.

St. Luke's Hospital, "Surgical Management of Arthritic Knees," April, 1990 (12 hours).

Current Concepts in Revision Total Hip Replacement
June, 1990.

Baylor College of Medicine - "Current Concepts in ACL Reconstruction," September, 1990 (6 hours)

Continuing Medical Education - Baylor, 1990
(23 hours).

Surgical Concepts in Sports Medicine, University of Texas at Houston, October, 1990.

E.T. Smith Orthopedic Lectureship, October 4-5, 1990 (10 hours).

North American Hip/Knee Symposium, Canada
January, 1991 (17 Hours)

1991 Adult Spine Self-Assessment Examination
American Academy of Orthopedic Surgeons (10 hours).

American Academy of Orthopaedic Surgeons, 55th
Annual Meeting, Tucson, Arizona, October, 1991.

"Hydroxyapatite (HA) Science Technology and Clinical Application, 1992 (5 hours).

Arthritis, Hip, Knee and Shoulder, January 11-18, 1992 (11 hours).

"From Deposition to Courtroom" - Medical Legal Seminar, Houston, Texas, July, 1992.

"Self-Assessment Examination," American Academy of Orthopedic Surgeons, 1993 (10 hours).

1991 Adult Spine Self Assessment Exam, December 31-January 1, 1993 (10 hours)

Western Orthopaedic Association 57th Annual Meeting, Seattle, Washington, August 29 - September 1, 1993 (15 hours)

Total Joint Seminar, San Antonio, Texas, April 8-9, 1994 (8 hours)

State of the Art in Hip and Knee Replacement 1995: Seminar, Banff, Canada, March 12-17, 1995 (24 hours)

Western Orthopaedic Association 59th Annual Meeting, Santa Fe, New Mexico, 1995 (15 hours)

American Academy of Orthopaedic Surgeons 1995: Perspectives on Small Joint Arthroscopy
Rosemond, Illinois, April 20-22, 1995 (22 hours)

Mimi Barnhart Lectureship in Pediatric Orthopedics: The Multiply Injured Child
Houston, Texas, November 17, 1995 (6 hours)

MAOA 14th Annual Meeting, San Antonio, Texas
April 24-28, 1996 (25 hours)

Western Orthopaedic Association 60th Annual Meeting, Kauai, Hawaii, August 3-7, 1996 (14.5 hours)

State-of-the-Art in Hip and Knee Replacement 1997
Banff, Canada, March 17-21, 1997 (21 hours)

The Survival Guide for Impairment Evaluators
Austin, Texas, October 24-25, 1997 (16 hours)

Genzyme Tissue Repair for Carticel, comprehensive training program, May 16, 1998

Arthritic Hip, Knee and Shoulder, South Florida College of Medicine, February 18-21, 1998 (15 hours)

Houston Orthopedic Society, "What Would Hippocrates Think of Managed Care Today" March 25, 1999 (1 hour)

AAHKS Ninth Fall Meeting, November 12-14, 1999, Dallas, Texas, (13.5 hours)

AAHKS 2001 Annual Meeting, Dallas, Texas, November 9-11, (14 hours)

Arthroscopy Association of North America, Shoulder Arthroscopy, San Antonio, Texas, December 1, 2001 (7 hours)

Arthroscopy Association of North America, Electronic Presentation using PowerPoint, San Antonio, Texas
December 2, 2001, (2 hours)

American Academy of Orthopedic Surgeons Annual Meeting, February 11, 2002, Dallas, Texas

American Academy of Orthopedic Surgeons Annual Meeting, February 10, 2003, New Orleans, Louisiana

"Surgical Management of Fractures and Degenerative Conditions of the Hip and Knee," 2002, Los Cabos, Mexico.

AAHKS Meeting, Dallas, TX, November 12, 2005.

Current Concepts in Total Joint Replacements, Florida, December 14, 2005.

AAOS Annual Meeting, Chicago, IL, March 21-26, 2006.

Western Orthopedic Association 70th Annual Meeting, Santa Fe, New Mexico, October 11-15, 2006.

AAOS Annual Meeting, San Diego, CA, February 14-18, 2007.

CAOS Annual Meeting, Korea, March 30-31, 2007.

Surgical Technique and Skill Demonstration: Live Surgery with Ye Yeon, M.D., Ajou University, Sawon, South Korea, March 2007.

**INVENTIONS AND
PATENTS PENDING:**

Simplified Surgical Preparation Jig for total knee replacement: femoral blitz block, tibial speed block. Provides shorter operative time with improved precision.

Pelvic Stabilization Waypoint Clamp. Establishes alternate waypoint.

Current Research:

Tissue Link's Aquamantys Bipolar Sealer in Total Knee Replacements, Chart review; In Progress

"Actonel Effects on Periprosthetic Bone Resorption in Total Hip Replacement," PAC #: 6-0053-05; In Progress

"A Multicenter, Double-Blind Randomized, Placebo Controlled Study of the Efficacy and Safety of pregabalin in the Treatment of Subjects with Post-Operative Pain Following Total Knee Arthroplasty (TKA), Pfizer, Inc., Protocol #: A0081133; In Progress

"Post-Operative Performance of "Gender" Total Knee Replacement Compared to Traditional Knee Replacement in Women," Protocol #: 1006-0151; In Progress