

## CURRICULUM VITAE

*David Alan Fisher, M.D.*

### OFFICE ADDRESS

8450 Northwest Boulevard  
Indianapolis, IN 46278  
317-802-2000

### EDUCATION

#### HIGH SCHOOL:

Marion High School  
Marion, IN  
June 1973

#### UNDERGRADUATE:

DePauw University  
Greencastle, IN  
Bachelor of Science  
August 1973-May 1977

#### POST-GRADUATE:

IUPUI  
Indianapolis, IN  
Biophysics and Histology  
July 1977-June 1978

#### MEDICAL SCHOOL:

Indiana University School of Medicine  
Indianapolis, IN  
Doctor of Medicine  
July 1978-May 1982

### INTERNSHIP

Methodist Hospital  
Indianapolis, IN  
July 1982-June 1983

### RESIDENCY

Indiana University School of Medicine  
Indianapolis, IN  
Dept. of Orthopaedic Surgery  
July 1983-June 1987

### FELLOWSHIP

St. Anthony Hospital  
Columbus, OH  
Joint Implant Surgery  
July 1987-January 1988

**BOARD CERTIFIED**

ABOS-Orthopaedic Surgery  
July 1990

Recertified: July 2000  
January 2010

**HOSPITAL AFFILIATIONS**

Indiana Orthopaedic Hospital,  
Indianapolis, IN  
IU Health North, Indianapolis, IN  
St. Vincent Hospitals-Indianapolis, IN

**MEMBERSHIPS**

Indiana State Medical Association  
Marion County Medical Society  
Indiana Orthopaedic Society  
American Academy of Orthopaedic  
Surgeons  
American Association of Hip and Knee  
Surgeons  
Board of Directors, Indiana Arthritis Foundation  
(1992-96)

**ACADEMIC APPOINTMENTS**

Clinical Assistant Professor of Orthopaedic  
Surgery  
Indiana University School of Medicine

Director Total Joint Service  
Indianapolis Orthopaedic Hospital  
2006 to Present

Director Joint Implant Service  
Methodist Hospital, Indianapolis  
1988 to 2006

Director Methodist Hospital  
Bone Bank 1988 - 1996

**NON-ACADEMIC ACTIVITIES**

Recipient Arthritis Foundation Humanitarian of  
The Year Award - 1999  
Chief of Orthopaedic Service – Methodist  
Hospital 1997 to 1999  
Orthopaedic Research Foundation Board  
Member 1998 to Present  
President Indiana Orthopaedic Research  
Foundation 1991 – 1998  
President, OrthoIndy, 2002 - 2006

President DAF Enterprises, Inc. 1991 to Present  
DePuy Leadership Council, 2003 – Present  
Scientific Advisory Board of Visible Assests, Inc.  
2004 - Present  
United Methodist Church  
Sigma Nu National Fraternity

## **PUBLICATIONS**

“The Surgical Treatment of Peptic Ulcer Disease-Results and Sequela,” *Journal of the Indiana State Medical Association*, Fisher, D.A., Fisher, P.J., Jackson, R.F., pg. 1077-1080, Vol. 67, No. 12, 1974

“Stress Fractures of the Medical Malleolus,” *American Journal of Sports Medicine*, Shelbourne, K.D., Fisher, D.A., Rettig, A., McCarroll, J., pg. 60-63, Vol. 16, No. 1, January 1988

“Idiopathic Scoliosis: Transcutaneous Stimulation versus the Milwaukee Brace,” *Spine Journal*, Fisher, D.A., Rapp, G.F., Emkes, M., pg. 987-991, Vol. 12, No. 10, December 1987

“Malignant Fibrous Histiocytoma After Total Hip Arthroplasty,” *Clinical Orthopaedics and Related Research*, Troop, J.K., Mallory, T.H., Fisher, D.A., Vaughn, B.K., pg. 297-300, No. 253, April 1990

“Osteoid Osteoma of the Femoral Neck in the Young Athlete,” *American Journal of Sports Medicine*, Fisher, D.A., DeRosa, G.P., Alhfeld, S., Makley, J.T., Mitchell, J.Q., pg. 271-276, Vol. 18, No. 3, 1990

“Evaluation of the Design and Clinical Performance of Cementless Acetabular Components,” *Seminars in Arthroplasty*, Fisher, D.A., Mallory, T.H., Kraus, T.J., Mitchell, M.B., pg. 35-44, Vol. 1, No. 1, July 1990

“Evaluation of the Painful Total Hip Arthroplasty,” *Seminars in Arthroplasty*, Fisher, D.A., pg. 229-238, Vol. 3, No. 4, October 1992

“Cement-Mantle Thickness Affects Cement Strains in Total Hip Replacement”, *J Biomechanics*, Fisher, D.A., Tsang, A.C., Paydar, N, Milionis S, and Turner, C.H., pg 1173 – 1177, Vol. 30, Nos. 11/12, 1997

“Effect of a Patient Management System on Outcomes of Total Hip and Knee Arthroplasty,” *Clinical Orthopaedics and Related Research*, Fisher, D.A., Trimble, S., Clapp, B., and Dorsett, K, pg. 155-160, No. 345, December 1997

“The Medial Trivector Approach in Total Knee Arthroplasty,” *Orthopaedics*, Fisher, D.A., Trimble, S.M., and Breedlove, K., pg., 53-56, Vol. 21, No. 1, January 1998

“Joint Implant Surgery – Strategies for cost containment in the Third World” *Clinical Orthopaedics India*, Recent Advances in Joint Replacement Part –I, Fisher DA, Gawande SR, Lavernia CJ, pg, 125-142, Vol. 12, March 1998

“Five Year Review of Second-Generation Acetabular Cup with Dome Screws,” *The Journal of Arthroplasty*, Fisher, D.A., pg. 925-929, Vol. 14, No. 18, December 1999

“Surgical Approaches to the Arthritic Knee,” *The Arthritic Knee*, American Academy of Orthopaedic Surgeons, Editors: Seth S. Leopold, M.D.; Jay D. Mabrey, M.D.; Aaron D. Rosenberg, M.D.; & Steven T. Woolson, M.D., Rosemont, IL, Year Published: 2000

“Implant Position in Knee Surgery: A Comparison of Minimally Invasive, Open Unicompartmental, and Total Knee Arthroplasty,” *The Journal of Arthroplasty*, Fisher DA, Watts MR, Davis KE, pg 2-8, Vol. 18, No. 7, Suppl. 1, 2003

“A Prospective Randomized Trial of Cemented Femoral Components with Polished Versus Grit-Blasted Surface Finish and Identical Stem Geometry,” *The Journal of Arthroplasty*, Vail TK, Goetz D, Tanzer M, Fisher DA, Mohler CG, and Callaghan JJ, pg 95-102, Vol. 18, No. 7, Suppl. 1, 2003

“Rebar Techniques for Revision of the Failed Patellar Component”, *Techniques in Knee Surgery*, Fisher DA, 3(1):55-59, March 2004

“New Technology in Cemented Total Hip Arthroplasty”, *Orthopedics*, Fisher DA, pg 881-885, Vol. 28, Suppl. 8, 2005

“Looks Good but Feels Bad: Factors that Contribute to Poor Results after Total Knee Arthroplasty”, *The Journal of Arthroplasty*, Fisher DA, Dierckmann B, Watts MR, Davis KE, pg 39 – 42, Vol 22, No. 6 Suppl. 2 2007.

“Operative Repair of Bilateral Spontaneous Gluteus Medius and Minimus Tendon Ruptures. A Case Report”, *J Bone Joint Surg Am*, Fisher DA, Almand JD, Watts MR. pg 1103-1107, 89, 2007.

“Unicompartmental Knee Arthroplasty Compares Favorably to Total Knee Arthroplasty in the Same Patient”, *Orthopedics*, Dalury DF, Fisher DA, Adams MJ, Gonzales RA. 2009, Apr;31(4)

“Unicompartmental and Total Knee Arthroplasty in the Over 70 Population:”, *Orthopedics*, Fisher DA, Dalury DF, Adams MJ, Shipps MR, Davis K, September 2010 Sep 7;33(9)668.

“A Randomized, Prospective Study of Total Hip Wound Closure with Resorbable Subcuticular Staples”, *Orthopedics*. Fisher DA, Bengero LL, Clap BC, Burgess M, 2010 Sep 7;33(9):665.

“Is Metal-on-Metal Squeaking Related to Acetabular Angle of Inclination?”, Bernasek T, Fisher D, Dalury D, Levering M, Dimitris K, *Clin Orthop Relat Res*. 2011 April 22

“Comparison of Radiographic Alignment of Imageless Computer-assisted Surgery vs Conventional Instrumentation in Primary Total Knee Arthroplasty”, Barrett WP, Mason JB, Moskal JT, Dalury DF, Oliashirazi A, Fisher DA, *J Arthroplasty*. 2011 Dec;26(8):1273-1284.e1. Epub 2011 Jul 1.

“Rotating Platform Spinouts with Cruciate-retaining Mobile-bearing Knees”, Fisher DA, Bernasek TL, Puri RD, Burgess ML, *J Arthroplasty*. 2011 Sep;26(6):877-82. Epub 2011 May 6

“Five-to-Ten Year Outcomes for Modular Metal-on-Metal Total Hip Arthroplasty”, Bernasek TL, Polikandriotis JA, Levering MF, Dalury DF, Fisher DA, Adler MJ. *J Arthroplasty*. 2013 Aug;28(7):1231-4. Doi: 10.1016/j.arth.2013.03.012. Epub 2013 May 1.

## **FUNDED RESEARCH PROJECTS**

Strain in the Cement Mantle of Cemented Femoral Hip Prostheses

A.P. Sanders, D.A. Fisher, B. M. Hillberry  
Purdue University 1992  
Grant provided by DePuy Orthopaedics

The Effects of Texturing and Pre-wetting of Metals to Bonding of PMMA Cement

D.A. Fisher, B. M. Hillberry, M.S. Pannell  
Purdue University 1992  
Grant provided by DePuy Orthopaedics

An Evaluation of Fatigue on Cement Strain in Cemented Femoral Stems

D.A. Fisher, B. M. Hillberry, M.S. Pannell  
Purdue University 1992  
Grant provided by DePuy Orthopaedics

Strain Measurement in Bone Cement Around Hip Femoral Prosthesis Implanted in Fiberglass

A.C. Tsang, D.A. Fisher, C.H. Turner, N. Paydar  
IUPUI 1993  
Grant provided by DePuy Orthopaedics

## **FDA TRIALS**

A Clinical Investigation of the DePuy Articular Surface Replacement (ASR™) #04-051

Computer Assisted Navigation in Total Knee Arthroplasty: A Multi-Center, Prospective, Randomized Study Protocol #04023 - #04-063

A Prospective, Non-Comparative Study to Evaluate the Performance of the DePuy Low Contract Stress (LCS®) Complete Revision Mobile-Bearing Total Knee System and Surgical Instrumentation CT 02/13 – Protocol #03-046

A Non-Comparative Multi-Centre Study to Evaluate the Safety and Performance of the DePuy Minimally Invasive (Preservation) Unicompartmental Knee and Instrumentation –Protocol CT01/034 - #02-100

Clinical Protocol for a Multiple Dose Randomized, Double-Blind Multicenter Study of the Analgesic Efficacy of the Dosing Regimen of Parecoxib Sodium Compared to Placebo in Patients for the Treatment of Post-Surgical Pain from Orthopedic Surgery – Protocol# E93-01-02-067- #02-078

A Double-blind, Randomized, Placebo-controlled Study to Evaluate the Efficacy and Safety of Subcutaneous (SC) Darbepoetin Alfa in Subjects Undergoing Preoperative Autologous Blood Donation (PAD) Before Elective Revision Total Hip Replacement or Bilateral Knee Replacement Surgery – Amgen Protocol # 20010117 - #01-070

Ceramic Transcend Articulation hip System Clinical Study – Wright Medical – Protocol # 02-024

Phase IV Vigor Study, Clinical Evaluation of Peri-operative Hemoglobin and the Relationship to Postoperative Vigor in Patients Undergoing Total Arthroplasty – Protocol # 99-083

A Randomized Double-Blind, Multi-center Study Comparing the Safety and Efficacy of Two Dosing Regimens of Oral SNAC/Heparin with Subcutaneous Enoxaparin Sodium for the Prevention of Venous Thromboembolic Events Following Elective Total Hip Replacement Surgery (ERP-12) – Protocol # 99-061

Prospective Randomized Study Comparing a Contemporary Femoral Cemented Component with Grit Blasted Versus Polished Surface Finish – Protocol # 95-128

Metal on Metal Acetabular Hip Prosthesis – Protocol # 00-018

Multiple-Dose, Double Blind Clinical Trial of the Safety and Efficacy of Enoxaparin for the Prevention of Post-Operative Deep Vein Thrombosis Following Total Hip Replacement Surgery – Study # 88-087

LSF (Long-Term Stable Fixation) Total Hip System – Protocol # 89-132  
A Comparison of Continuous Epidural Infusion of Narcotic-Bupivacaine and Patient Controlled Analgesia Following Total Knee Arthroplasty – Protocol # 90-74

Multi-Dose, Open Label Clinical Trial of the Safety and Efficacy of Enoxaparin Compared to Warfarin for the Prevention of Postoperative Venous Thromboembolism following Total Knee Replacement – Protocol # 92-141

Davol Post-Op Autotransfusion System – Protocol # 93-015

A Randomized, Open-Label, Parallel Group Comparison of the Safety and Efficacy of Lovenox (Enoxaparin) Injection vs. Adjusted Dose Warfarin (Coumadin) in the Prevention of Thromboembolic Disease Following Hip Replacement Surgery - Protocol # 93-126

Evaluation of the Postoperative Pain Model Utilizing Ketorolac PO and Ibuprofen - Protocol # 93-145

Prospective Randomized Study Comparing a Contemporary Femoral Cemented Component with Grit Blasted Versus Polished Surface Finish - Protocol # 95-128

An Open-Label, Randomized, Parallel-Group Study to Compare the Efficacy and Safety of Procrit (Epoetin Alfa) Administered Peri-operatively and Autologous Pre-deposit to Reduce the Risk of Allogeneic Transfusion in Subjects Undergoing Major, Elective, Orthopaedic Surgery - Protocol # 96-001

A Single-Blind, Randomized, Parallel-Group, Multi-center Study to Assess the Safety and Efficacy of Hemaseel HMN as an Adjunct to Hemostasis in Total Knee Replacement Surgery - Protocol # 97-043

A Randomized, Double –Blind, Multi-center Study Comparing the Safety and Efficacy of Two Dosing Regimens of Oral Emisphere SNAC/Heparin with Subcutaneous Enoxaparin Sodium for the Prevention of Venous Thromboembolic Events Following Elective Total Hip Replacement Surgery - Protocol # 99-061

## **CONSULTATION/DESIGN PROJECTS**

Development of Cemented Femoral Stem Centralization Device  
Richards 1989

Co-design of HNR Calcar Replacement Femoral Stem  
Howmedica 1990

Design of Textured Elite – Modular Femoral Stem  
DePuy 1990

Co-designer Endurance Cemented Femoral Stem  
DePuy 1992

Co-designer Summit Total Hip  
DePuy 2000

Co-designer Unicompartmental Knee Prosthesis  
DePuy 2000

## **RECENT PRESENTATIONS:**

### **Hip Presentations**

“A Randomized Prospective Study of Total Hip Wound Closure with Resorbable Subcuticular Staples”, Las Vegas, NV, February 27, 2009

“Arthritis and Joint Care”, Indianapolis IN, November 9, 2001“ Cartilage Restoration: Early and Late Stages”, Indianapolis IN, March 22, 2002

”Benefits of a Minimally Invasive Technique”, Rosemont IL, April 22, 2002; July 15, 2002; October 20 – 21, 2002

“Cemented Collared Stems”, Vail CO, February 9-12, 2001

“Cemented Stem & Technique”, Hilton Head SC, October 5, 2002

“Cemented Stem Clinical Results”, Whistler British Columbia Canada, March 7, 2002

“Cemented Stem: Choosing the Right Patient, Doing the Best Job”, Nissawa MN, June 28, 2002

“Cemented Stems”, Issues and Updates in Total Joint Arthroplasty, Indianapolis IN, May 10, 2002

“Cemented Stems, Past, Present and Future”, Bellaire MI, August 23, 2003



“Changing Patient Demand in Total Knee Arthroplasty”, 40<sup>th</sup> Annual Meeting of Japanese Society for Replacement Arthroplasty, Okinawa, Japan, February 26 – 27, 2010

“Clinical Outcomes of Hip Reconstruction using a Third Generation Cemented Charnley –Type Femoral Component: A 3 to 7 year Follow-up. Victoria British Columbia, June 2 – 4, 2002

“Collared Cemented”, Vail CO, March 12-17, 2003

“Collared Standard Cemented Stem”, Whistler, British Columbia, February 12, 2004

“Eight Year Results of a Cemented Stainless Steel Femoral Stem; San Diego CA, August 23 – 30, 2002

“Enhanced Polyethylene”, Indianapolis IN, June 8, 2001

“Fixation Options for Femoral Stems”, Indianapolis IN, February 6, 2002

“Metal-on-Metal Total Hip Arthroplasty, Indianapolis, IN, April 18, 2008

“Metal-on-Metal – History and Current Status”, Chicago, IL, July 28, 2006

“Metal-on-Metal THA: My Indications and Review of Literature”, White Sulphur Springs, West Virginia, May 4-6, 2006

“Minimally Invasive Total Hip and Total Knee Arthroplasty”, LaQuinta, CA, April 17, 2004

“Minimally Invasive Total Hip Arthroplasty: Comparison of Techniques”, Indianapolis, IN, May 19-21, 2005

“Multicenter Mid-Term Study of a Modular Metal-on-Metal Total Hip Arthroplasty”, Mid-America Orthopaedic Association 30<sup>th</sup> Annual Meeting, Bonita Springs, FL, April 18-22, 2012.

“One or Two Small Incisions, Does it Make a Difference?”, Bellaire MI, August 23, 2003

“Proximally Coated Cementless Stems – The New Workhorse in Primary THA:”, Chicago, IL July 28, 2006

“Proximally Fixed Tapered Titanium Stems Because....” Grand Bahama Island, May 15, 2003

“Surgical Approach and Cemented Stem Position in Total Hip Arthroplasty”, Poster Presentation, Amelia Island, Florida, April 20-24, 2005

“Surgical Approaches in THA, Issues and Updates in Total Joint Arthroplasty, Indianapolis IN May 10, 2002

“The Painful THA”, Vail, CO, January 30-February 2, 2008

“Thoughts on Head Size and Instability”, Current Advancements in Total Joint Arthroplasty, Chicago, IL May 10, 2012

### **Knee Presentations**

“A Comparison of All-Polyethylene and Metal-Backed Tibial Components in Unicompartmental Knee Replacement”, Poster Presentation, Boca Raton, FL, April 11-15, 2007.

“A Comparison of Wound Closure with Absorbable and Metal Staples After Knee Arthroplasty”, Mid-America Orthopaedic Association 30<sup>th</sup> Annual Meeting, Bonita Springs, FL, April 18-22, 2012.

“Approaches for Revision TKR”, Current Advancements in Total Joint Arthroplasty, Chicago IL, May 11, 2012

“Benefits of a Minimally Invasive Unicompartmental”, Norfolk VA, May 30, 2003

“CAS – Watch Outs and How to Improve”, Whistler, British Columbia, February 12, 2004

“Choosing the Right Implant”, Current Advancements in Total Joint Arthroplasty, Chicago, IL, May 11, 2012

“Complications with Fixed and Mobile Bearing Knees”. Maui Hawaii, July 20, 2001; Tucson AZ, April 27, 2002; San Diego CA, August 28, 2002

“Computer Assisted Orthopedic Surgery: Common Pitfalls”, Whistler British Columbia, Canada, March 9-13, 2005.

“Cross Linked Polyethylene in TKA – Affirmative” Grand Bahama Island, May 16, 2003

“Cruciate Retaining TKA” My Indications and Review of Literature”, White Sulphur Springs, West Virginia, May 4-6, 2006

“Current Indications for Unicompartmental Knee Arthroplasty”, Norfolk, VA, May 29, 2003

“Design of HP Instrumentation for Contemporary Total Knee Arthroplasty”, Optimizing Techniques for Primary Knee Arthroplasty, Rayham, MA, November 13, 2009.

“Gap Balancing in Rotating Platform of Total Knee Arthroplasty”, First Annual Conference of Chinese Knee Society, Shanghai, China, July 20 -21, 2013

“Indications for Rotating Platform Knees”, Chicago, IL July 27, 2006

“Implant Position in Knee Surgery: A Comparison of Minimally Invasive, Open Unicompartmental and TKA”, Indianapolis IN, September 21, 2002; DallasTX, November 3, 2002; New Orleans, LA, February 5 – 9, 2003; Vail, CO, March 12-17, 2003

“Knee Arthroplasty Rehabilitation: Comparing Conventional Therapy to a Music Rehabilitation Video”, Poster Presentation, AAOS 2011 Annual Meeting, San Diego, CA, February 15-19, 2011.

“Knee Arthroplasty Rehabilitation: Comparing Conventional Therapy to a Music Rehabilitation Video”, Paper Presentation, Mid-America Orthopaedic Association 29<sup>th</sup> Annual Meeting, Tucson, Arizona, April 7, 2011.

“Lateral Compartment Unicondylar Arthroplasty”, Thompsonville MI, August 25, 2001

“Looks Good but Feels Bad: Factors that Contribute to Poor Results after Total Knee Arthroplasty”, Memphis, TN, May 4, 2007

“Looks Good, Feels Bad – Who, What, Why?” Vail, CO, February 9, 2006, White Sulphur Springs, West Virginia, May 4-6, 2006

“MB UKR: An Alternative for the Young and Active”, Whistler, British Columbia, February 13, 2004

“MIS Unicompartmental Knee Replacement”, Key Largo, FL, June 26, 2004.

“Minimally Invasive Uni”, New York, NY, June 11, 2004.

“Minimally Invasive Uni: Is Outpatient Surgery a Reality?”, Whistler British Columbia Canada, March 9, 2002

“Minimally Invasive Uni Knee Surgical Technique”, Whistler British Columbia, Canada, March 9-13, 2005.

“Minimally Invasive Unicompartmental Knee: Is It Enough?”, Vail CO, February 9-12, 2001

“Minimally Invasive Unicompartmental Knee”, Maui Hawaii, July 20, 2001; Thompsonville MI, August 24, 2001; Indianapolis IN, May 10, 2002; ”, French Lick IN, May 8 – 10, 2003

“MIS Uni’s for the Over 70 Crowd”, Indianapolis, IN, May 19-21, 2005

“Mobile Bearing Knees – The LCS Experience”, Grand Bahama Island, May 16, 2003

“Mobile Bearings: Why I Use Them, How to Avoid Complications”; Nissawa MN, June 28, 2002

Moderator: Mobile Bearing Knees, Vail, CO, February 10, 2006

“Optimized Mid-Vastus Approach”, Henderson, NV, February 22, 2008; Chicago, IL, July 31, 2008

“Optimized Sub-Vastus Surgical Technique Demonstration” – Moderator – Baltimore, MD, June 13, 2008

“Patient Factors that Contribute to Poor Results after Total Knee Arthroplasty, Boca Raton, FL, April 11-15, 2007

“Patellofemoral Arthroplasty: Indications, Surgical Technique and Results”, White Sulphur Springs, West Virginia, May 4-6, 2006

“Principles of Revision TKA & Exposure Options”, July 27, 2006

“Role for Unicompartmental Replacement”, Key Largo, FL June 25, 2004.

“Rotating Platform Spinouts with Cruciate Retaining Mobile Bearing Knees”, Las Vegas, NV, February 26, 2009

“Rotating Platform Total”, Indianapolis, IN July 22-25, 2007.

“Sigma RP Results”, Norfolk VA, May 30, 2003.

“The Mobile Bearing Alternative”, Preservation Uni-Compartmental Knee Learning Center, Rosemont IL, Oct. 20 – 21, 2002

“The Mobile Bearing Preservation Uni”, Norfolk VA, May 30, 2003

“TKR and Unicondylar Replacement”, Indianapolis, IN, Aug. 27, 2008

“TKR in the US, History and Future”, First Annual Conference of Chinese Knee Society, Shanghai, China, July 20 -21, 2013

“Treatment of Severe Knee Deformities”, Chicago, IL, July 20-21, 2007

“UCL Lateral Uni”, Instructional Course, AAOS Annual Mtg, San Francisco, CA, March 5 – 9, 2008

“Uni vs TKA in the Elderly”, Vail, CO, February 9, 2006

“Unicompartmental Disease Deserves Unicompartmental Address”, Grand Bahama Island, May 17, 2003

“Unicompartmental Knee Arthroplasty – Experience, MIU, Alignment”, Grand Bahama Island, May 17, 2003

“Unicompartmental Knee Development”, New York, NY, June 11, 2004

“Unicompartmental and Total Knee Arthroplasty in the Over 70 Population”, Poster Exhibit, Washington, DC, February 23 – 27, 2005, Amelia Island, Florida, April 20-24, 2005.

“Unicondylar Arthroplasty in the Active Patient”, San Diego CA, July 20 – 23, 2003

“Unicondylar Knee Arthroplasty” AAOS/AAHKS Knee Arthroplasty: Uni, Total and Revision Insights, New Techniques, Chicago, IL, Oct. 22-24, 2009

“Unicondylar Knee Replacement – An Overused Procedure?”, New York, NY, June 11, 2004

“Use of Traditional vs Cross-linked Polyethylene in TKA: Traditional”, Vail, CO, January 30 – February 2, 2008

“Work –up of Painful & Still TKR’s”, Current Advancements in Total Joint Arthroplasty, Chicago IL, May 11, 2012

## **Mini-Observership and Training Sessions for International Surgeons**

August 24 – 26, 2012, Indiana Orthopaedic Hospital, Indianapolis, IN

February 11 - 13, 2013, Indiana Orthopaedic Hospital, Indianapolis, IN

August 12 – 14, 2013, Indiana Orthopaedic Hospital, Indianapolis, IN

October 21 – 23, 2013, Indiana Orthopaedic Hospital, Indianapolis, IN

## **Learning Centers**

“Benefits of MI UKR, Rehab, and the Future Role of CAS in UKR”, Chicago, IL, February 2, 2004.

Cadaver Lab – Preservation Uni, Chicago, IL, November 16, 2004.

Cadaver Lab – Tissue Sparing TKA, Chicago, IL, September 21, 2004.

Current Indications for MI-UKR – Panel Discussion; Moderator, Chicago, IL, November 15, 2004.

Hands On Lab: Computer Assisted Workstations: Moderator, Chicago, IL, July 16, 2004

“Optimized Mid-Vastus Surgical Approach”, Sigma High Performance Learning Center, Memphis, TN, March 13, 2009

“Overview of High Performance Instruments”, Sigma High Performance Learning Center, Las Vegas, NV, October 1, 2009

Panel Discussion: Pain Management Protocol, Partial Knee Replacement, Customized Patient Instruments, Sigma High Performance Learning Center, Las Vegas, NV, October 1, 2009

Preservation Implant Overview and Surgical Technique Tips, Chicago, IL, September 20, 2004.

Preservation UKR Surgical Demonstration, Chicago, IL, February 2, 2004

Preservation Uni Surgical Tech. Demo, Chicago, IL, November 16, 2004.

Preservation Uni Surgical Technique Demonstration, Chicago, IL, September 21, 2004.

Tissue Sparring TKA Lab, Chicago, IL, November 16, 2004

### **Other Presentations**

“Ambulatory Surgery Centers” Park City, UT, March 14-18, 2007

“Complications of Total Hip and Total Knee Surgery”, Indianapolis, IN, August 2, 2006

“Arthritis from a Surgeon’s Perspective”, Indianapolis, IN, Nov. 20, 2008

“Complications of Total Hip and Total Knee Surgery”, Indianapolis, IN, July 16, 2008.

“Glucosamine, NSAIDS, Corticosteroids, and Others”, Bellaire, MI, August 21, 2003

“HIPPA Update, What’s it all Mean?”, Bellaire MI, August 23, 2003

“Health Care Economics: Practice Management”, Vail, CO, January 30 – February 2, 2008

“Implementation of Electronic Medical Records”, Park City, UT, March 14-18, 2007

Moderator - Non-Operative Arthritis and Pain Management, Vail, CO, February 9, 2006

Moderator – Health Care Economics: What Does the Future Hold?, Vail, CO, February 9, 2006

“New Technology in Joint Repair”, Indianapolis IN, May 24, 2002; Indianapolis IN August 8, 2002

“New Treatments and Procedures for Arthritis”, Indianapolis IN, February 5, 2002

“Opportunities for Ancillary Income”, Dallas, TX, Nov. 8, 2008

“Practice Management: Trends and Opportunities”, Park City, UT, March 14-18, 2007.

“Prevention and Treatment of the Over-lengthened Leg”, Key Largo, FL June 24, 2004

“The OR Team: Efficiency in OR Management in Hip and Knee Replacement”, Indianapolis, IN, September 23, 2006.

“Strategies for Dealing with the Changing Health Care Market, Newport Beach, CA, May 17, 2008

“Strategies for Practice Management and Survival”, Vail, CO, February 9, 2006

“Vertical Integration: Large Group, Physician Ownership”, AAHKS 2009 Annual Meeting, Dallas, TX, Nov 6 – 8, 2009

“What’s New in Arthritis and Total Joint Replacement”, Indianapolis IN, May 31 – June 2, 2002

## **PREVIOUS PRESENTATIONS:**

### **Hip Presentations**

“ “Acetabular Components-The 2<sup>nd</sup> Generation,” Hilton Head SC, October 18, 1990

“Acetabular Cup and Screw Positioning,” Langkawi, Malaysia, September 4, 2000

“An Experience with Non-Cemented Acetabular Cups,” Lafayette IN, April 8, 1988; Las Vegas NV, February 9, 1989; Lafayette IN, Bermuda, April 22, 1989

“Avoiding Complications in Total Hip Arthroplasty,” King Salmon, Alaska, Aug. 10-13, 1997

“Bipolar Hip Prosthesis in Intact Acetabula,” Santa Monica CA, May 2, 1986; Indianapolis IN, May 30, 1986; November 6, 1986; San Diego CA, March 1987; Fort Wayne IN, April 1987; Atlanta GA, February 1988.

“Cement Strains Around Cemented Femoral Stems,” Oslo, Norway, May 3, 1996

“Cement Technique and Design Rationale for Cemented Implants,” Raleigh NC, March 10, 1995

“ Cementless Cups with Screw Fixation 3-6 Year Clinical Results,” King Salmon, AK, Aug. 10-13, 1997



“Clinical Analysis of Omniflex Femoral Component,” Hilton Head Island SC, April 29, 1993

“Contemporary Femoral Cementing Technique,” Rancho Mirage CA, November 14, 1992; Keystone CO, March 17, 1993; New Albany NY, June 9, 1995

“Cost and Utilization Issues in Total Joint Replacement,” Indianapolis IN, August 19, 1999

“Cost Containment in Hip Arthroplasty,” Breckenridge CO, March 25, 1992; Rancho Mirage, CA, November 14, 1992; Cincinnati OH, November 21, 1992; San Francisco CA, February 23, 1993; Burlington VT, October 14, 1993; Buffalo NY, December 4, 1993; Asheville NC, February 23, 1994; Indianapolis IN, March 5, 1994; Indianapolis IN, March 18, 1994; Sioux Falls SD, May 17, 1994; Newark, NJ, August 26, 1994; Glenview IL, September 17, 1999

“Cost Effectiveness of Total Hip Replacement in the 1990’s,” Indianapolis IN, September 14, 1991

“Current Concepts in Total Hip Arthroplasty-(A) Techniques of Cement Preparation and Utilization (B) Anatomic Considerations in Non-Cemented Hip Implants (C) Deep Venous Thrombosis (D) Preoperative Planning/Bone Grafting in Revision Total Hip Replacement,” Methodist Hospital, Indianapolis IN, October 14, 1989

“Design Considerations of a Successful Cemented Femoral Stem,” Indianapolis IN, May 17, 1996

“Design Rationale for a Cemented Femoral Component,” Marco Island FL, November 8, 1991

“Design Rationale for a Cemented Prosthesis,” Newark NJ, August 26, 1994

“Economics in THA,” Vail CO, March 14-16, 1996; Burlington VT, October 3, 1996

“Effect of High Offset on Cement Mantle Strain,” Jacksonville FL, September 25-29, 1996

“Eight Year Results with Cemented Hips,” Glenview IL, September 17, 1999

“Five to Eight Year Evaluation of a Cemented Stainless Steel Femoral Stem with a Grit Blasted Surface Finish,” Scottsdale AZ, April 26-30, 2000

“Five to Six Year Results, Second Generation Two Piece Cup,” Indianapolis IN, May 16, 1997

“Five Year Review of Cementless Acetabular Cups with Dome Screws,” Sydney, Australia, April 18-23, 1999

“Let’s Do a THR,” Hilton Head SC, October 1, 1999

“Loading the Calcar Using a Cemented Stem,” Langkawi, Malaysia, September 5, 2000

“Long Term Results with a Second Generation Cementless Acetabular Cup,” Hilton Head SC, October 2, 1999

“Modern Cementing Techniques,” Minneapolis MN, March 12, 1994

“Modular Acetabular Cups-New Technology and New Problems,” Indianapolis IN, November 15, 1991

“Modular Acetabular Cups-New Technology and New Problems,” Indianapolis IN, September 14, 1991

“Porous Coated Total Hip Replacement,” Glen Eagle, Scotland, June 13, 1991

“Press-fit with Spikes,” Snowmass Village CO, January 29-February 2, 2000

“Primary Total Hip Arthroplasty: Optimizing Outcome While Containing Cost,” New Orleans LA, March 20, 1998

“Screw Hole Cup Design and Osteolysis,” Olympic Valley CA, March 20, 1997

“Second Generation Modular Cups,” Vail CO, March 17-21, 1999

“Selecting the Acetabular Component for the Patient,” Rancho Mirage, CA, November 12, 1992; Keystone CO, March 18, 1993

“Slipped Capital Femoral Epiphyses/Femoral Neck Fractures,” Indianapolis IN, February 2, 1986

Stem Centralization,” Olympic Valley CA, March 20, 1997

“Strain in Cement Mantle of Cemented Femoral Hip Prosthesis,” Rancho Mirage CA, November 14, 1992; Keystone CO, March 18, 1993;

“Strain in the Cement Mantle of Femoral Prosthesis,” Breckenridge CO, March 25, 1992

“Success or Failure of a Cemented Femoral Stem Design,” Indianapolis IN, May 16, 1997; King Salmon, Alaska, Aug. 10-13, 1997

“Surgical Approaches to the Hip,” Indianapolis IN, October 26, 1984

“The Cement,” Coeur d’Arlene ID, September 24, 1998

“The Charnley Design Philosophy,” Minneapolis MN, March 12, 1994

“The Role of Cement,” Burlington VT, October 3, 1996

“Total Hip Arthroplasty-Indications and Use of Allograft,” Virginia Beach VA, April 3, 1989

### **Knee Presentations**

“A Comparison of the Medial Trivector Approach to the Standard Medial Parapatellar Arthrotomy in Total Knee Arthroplasty,” Orlando FL, February 16-21, 1995

“ACL Retention vs. Sacrifice in TKA,” Indianapolis IN, December 1, 1990

“ACL/PCL Retaining TKR,” Indianapolis IN, May 17, 1991

“Anatomy of the Knee,” Indianapolis IN, November 6, 1985

“Clinical Results Using AGC 3000 Instrumentation,” Warsaw IN, August 9, 1990

Course Chairman, Revision Total Knee, Blending Philosophies for a Positive Outcome, Rancho Mirage CA, November 12, 1999

“Design Rationale and Clinical Results with a Mobile Bearing Knee,” King Salmon AK, Aug. 10-13, 1997

“Economics of Total Joint Replacement,” King Salmon AK, Aug. 10-13, 1997

“Indications and Results of Unicompartmental Total Knee Arthroplasty,” Indianapolis IN, April 25, 1992

“Instrumentation and Accuracy in Total Knee Arthroplasty,” Indianapolis IN, December 1, 1990

“Long Term Follow-Up of Primary TKR,” Indianapolis IN, May 21, 1993

“Management of Knee Arthritis in Young Patients,” Notre Dame IN, September 13, 1996

“Medial Trivector Arthrotomy in TKA,” King Salmon AK, Aug. 10-13, 1997

“Minimally Invasive Uni Knee Surgical Technique”, Whistler British Columbia, Canada, March 9-13, 2005.

“Mobile Bearing Knees,” Indianapolis IN, August 20, 1999; Honolulu HI, June 21, 2000

“Painful Total Knee Arthroplasty,” Rancho Mirage CA, November 12, 1999

“Prospective Isokinetic Muscle Testing Pre- and Post-Operatively for Objective Quantitative Evaluation of Shoulder Disorders,” Salt Lake City UT, March 1987

“The Medial Trivector Approach,” San Diego CA, August 16, 1995; Snowmass Village CO, January 28-February 1, 1998; Indianapolis IN, February 27, 1998

“The Salvage Knee,” Olympic Valley CA, March 22, 1997

“TKA in the Octogenarian,” Coeur d’Arlene ID, September 26, 1998

“Total Knee Arthroplasty,” Indianapolis IN, July 29, 1999

“Uni-Compartmental Knee,” Snowmass Village CO, January 29-February 2, 2000

“Unicompartmental Technique,” Indianapolis IN, May 21, 1993

“Why I Like the Trivector Approach,” Vail CO, March 17-21, 1999

### **Other Presentations**

“Allograft in Orthopaedics,” Indianapolis IN, June 3, 1989; January 13, 1995

A Rationale Approach to Containment,” Raleigh NC, March 10, 1995

“Arthritis Care, Indianapolis IN, January 30, 1997; March 4, 1997

“Arthritis Update,” Indianapolis IN, June 22, 1999; August 12, 1999; August 25, 2000.

“Autologous Blood Use in Total Joint Replacement,” Orlando, FL, April 3, 1992

“Avascular Necrosis After Transplantation,” Indianapolis IN, August 21, 1997

“Avascular Necrosis of Bone,” Indianapolis IN June 21, 1986

“Cost Containment: A Realistic Approach,” Keystone CO, March 17, 1993

“Cost Effective Implant Selection,” Olympic Valley CA, March 22, 1997; Snowmass Village CO, January 28-February 1, 1998

“Cost Effectiveness in Surgery: The Example of Total Knee and Hip Replacement,” Honolulu, HI, June 20, 2000

“Critical Pathways Decrease Length of Stays,” Muncie IN, March 4, 1995

“Effective Patient Management in TJR,” Indian Wells CA, April 18, 1998

“Hip and Knee Replacement”, Indianapolis IN, November 19-20, 1999

“Ideal” Fracture Management, Indianapolis IN, September 9, 1985

“Idiopathic Scoliosis: Transcutaneous Stimulation versus the Milwaukee Brace,” New Orleans LA, May 11, 1985; Indianapolis IN, May 24, 1985; San Antonio TX, October 19, 1985; San Francisco CA, January 27, 1987

“Improving Outcomes in Joint Replacement,” Burlington Vt, October 3, 1996

“Infection: Management,” Snowmass Village CO, January 29-February 2, 2000

“Joint Implant Surgery/Allograft in Orthopaedics,” Indianapolis IN, February 1989; June 22, 1989

“Joint Replacement,” Indianapolis IN, September 22, 1997; October 2, 1992

“Matching the Implant to the Patient,” Minneapolis MN, March 12, 1994; Jacksonville FL, September 25-29, 1996

“Matching the Right Patient and Implant,” Newark NJ, August 26, 1994

“Methods of Cost Reduction in the Total Joint Patient,” Minneapolis MN, March 12, 1994; Newark NJ, August 26, 1994

“Methods of Reducing the Cost of TJA Implants,” Anaheim-Orange County CA, February 4-8, 1999

“Orthopaedic Pathology Review,” Indianapolis IN , October 18, 1986

“Orthopaedics, Transplantation,” Indianapolis IN, April 24, 1992

“Patient Demand Matching,” Indianapolis IN, May 18, 1996

“Patient Implant Matching,” Keystone CO, April 6, 1994

“Patient Implant Matching-A Cost Effective Approach,” Oslo, Norway, May 4, 1996

“Patient Management Protocols-The ORTHOP.A.C.E. Program,” Vail CO, March 14-16, 1996

“Pediatric Fractures,” Indianapolis IN, October 6, 1984

“Reducing Costs Through Improved Patient Management,” Oslo, Norway, May 3, 1996

“Setting Up an Outcomes Collection Routine to Test the Effectiveness of your Pathway Program,” Coeur d’Arlene ID, September 25, 1998

“Space Age Technology in Medicine: Joint Replacement Surgery,” Lafayette IN, June 25, 1997

“The Effect of a Patient Management Program on Functional Recovery Following Total Hip and Knee Arthroplasties,” Indianapolis IN, October 9, 1998; Sydney, Australia, April 18-23, 1999

“The Effect of a Patient Management Program on Outcomes of Total Hip and Knee Arthroplasty,” Palm Beach FL, April 21, 1995; King Salmon AK, Aug. 10-13, 1997

“The Effect of a Patient Management Program on the Care of Octogenarian Patients Undergoing Hip and Knee Replacement,” Orlando FL, February 16-21, 1995; San Francisco CA, February 17, 1997; New Orleans LA, March 19-23, 1998

“The Effect of a Patient Management System on the Octogenarian Undergoing Total Joint Replacement,” Mid-America Orthopaedic Society’s 15<sup>th</sup> Annual Meeting, April 24, 1997; Indianapolis IN, November 8, 1996

“The Importance of Proper Soft Tissue Balancing,” Newark NJ, August 26, 1994

“Understanding Arthritis and Joint Replacement,” Indianapolis IN, November 1, 1992

March 2014