

**WAYNE M. GOLDSTEIN, M.D.**  
**CURRICULUM VITAE**

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**EDUCATION**

Undergraduate B.S. Degree	University of Illinois (Cum Laude) Champaign, IL	1974
Medical School M.D. Degree	University of Illinois Abraham Lincoln School of Medicine Chicago, IL	1978
Internship	University of Illinois Hospital (General Surgery) Chicago, IL	1979
Residency	University of Illinois Hospital (Orthopaedic Surgery) Chicago, IL	1983
Fellowship	Brigham and Women's Hospital Harvard University Medical School (Arthritic Reconstructive Surgery) Boston, MA	1983
Certificate	National Cancer Institute Human Participants Protection Education for Research Teams	2006
Certificate	Robotic Surgery to Perform Total Knee Arthroplasty (Makoplasty)	2009

Certificate	Cannabis Hyperemesis Syndrome Continuing Education	2019
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**PROFESSIONAL APPOINTMENTS**

President, CEO, and Founder	Illinois Bone and Joint Institute, LLC Morton Grove, IL 60053	1991-Present
Attending Staff	Holy Family Hospital Des Plaines, IL 60016	1998-2004
Chairman Medical Risk Management	Lutheran General Hospital Park Ridge, IL 60068	1990-1992
Attending Staff	Lake Forest Hospital Lake Forest, IL 60045	1985-2000
Attending Staff	Lutheran General Hospital Park Ridge, IL 60068	1984-Present
Associate Staff	Highland Park Hospital Highland Park, IL 60035	1983-2003
Attending Staff	Skokie Hospital (North Shore University Health System) (formerly) Rush North Shore Medical Center Skokie, IL 60076	2000-Present
Associate Director Division of Orthopaedic Surgery	Skokie Hospital (North Shore University Health System) (formerly) Rush North Shore Medical Center Skokie, IL 60076	2003-2004
Director Division of Orthopaedic Surgery	Skokie Hospital (North Shore University Health System) (formerly) Rush North Shore Medical Center Skokie, IL 60076	2004-2011
Chairman Department of Orthopaedic Surgery	Advocate Lutheran General Hospital Park Ridge, IL 60068	2011-Present

**CERTIFICATION AND LICENSURE**

American Board of Orthopaedic Surgery	Dec 1986
Recertification - American Board of Orthopaedic Surgery	Feb 1995 Feb 2004

Recertification - American Board of Orthopaedic Surgery June 2014  
June 2026

Illinois State Medical License – Active 1978

### **ACADEMIC APPOINTMENTS**

Oral Examiner	American Board of Orthopaedic Surgery	1996-Present
Professor of Clinical Orthopaedics	University of Illinois Chicago	March 24, 2000-Present
Professor of Orthopaedics	Rosalind Franklin University Chicago Medical School	2013-Present
Editorial Board	The Journal of Arthroplasty	June 2001-Present

### **VOLUNTEER ACTIVITIES**

AAHKS “Boots on the Ground” Advocacy Committee,  
Illinois representative November 2012- Present

### **IMPLANT DESIGN**

Synergy Tapered Hip System.....Smith & Nephew

Locking Screw Acetabular Cup.....Smith & Nephew

R3 Acetabular System,one of designing surgeon team.....Smith & Nephew

Offset Tibia Tray.....DePuy  
“Method and Apparatus for Surgically Preparing a Tibia for Implantation of a Prosthetic Implant  
Component which has an Offset Stem.” UNITED STATES PATENT No. 6,355,045 B1  
Gundlapalli, Goldstein, Marcoccio, McCue.....March 12, 2002

Porous Condylar Cage.....DePuy

Mach I Instruments.....DePuy

High Offset Femoral Stem (S-ROM).....DePuy

Cobalt Chrome Modular Knee Tray.....DePuy

Minimally Invasive Total Hip Arthroplasty Instrumentation.....Innomed

Total Hip Arthroplasty Retractors for Obese Patients.....Innomed

Flexible Revision Knee Osteotomes.....Innomed

Femoral Neck Elevator.....Innomed  
Patent pending 2008

Designer of Suture Cutter with Disposable  
Blade.....Innomed  
Patent pending 2008

Sigma 150 High Flex Total Knee Component.....DePuy  
One of Designing Surgeon Team 2008

UNITED STATES PATENT Appl. No. 12/910,597, "Patellar Implant with Variable Weights for  
Knee Repair Surgery," Goldstein, Amirouche.....October 22, 2010

UNITED STATES PATENT Appl. No. 12/164,619, "Implantable Patella Component Having a  
Thickened Superior Edge," DePuy, Goldstein, Wright.....July 5, 2011

**HONORS AND AWARDS**

Phi Beta Kappa	University of Illinois, Champaign, IL	1974
Phi Kappa Phi	University of Illinois, Champaign, IL	1974
Alpha Omega Alpha	University of Illinois, Chicago, IL	1978
George C. Fisher Humanitarian Award - Rotary Club		1990
Association of Peri-Operative Registered Nurses (AORN) Annual Writer's Award - Clinical Category "Sequential Bilateral Total Knee Arthroplasty"		March 2001 April 20, 2002
Association of Peri-Operative Registered Nurses (AORN) Annual Writer's Award - Clinical Category "Primary Total Hip Arthroplasty"		December 2003 March 20, 2004
American Academy of Orthopaedic Surgeons Award of Excellence - Scientific Exhibit SE30 "Implant Sizing in the Female Total Knee Arthroplasty"		February 16, 2007
International Relief Effort Volunteer Recognition at Tenth District International Volunteer Fair, Congressman Mark Kirk		

Dr. Wayne Goldstein, the doctor to the doctors in Sierra Leone	February 16, 2008
American Academy of Orthopaedic Surgeons First Place Poster - Adult Reconstruction Knee P145: "Over-Utilization of MRI in the Osteoarthritis Patient"	March 7, 2008
Media Orthopaedic Reporting Excellence Award (MORE) WTTW Chicago Tonight Segment with Dr. Cole Presented at National Orthopaedic Leadership Conference in Washington, D.C.	May 2, 2008
Distinguished Alumnus Award University of Illinois at Chicago College of Medicine	October 4, 2013
Distinguished Alumnus Award University of Illinois, Chicago, IL	2013
Distinguished Alumnus Award Sullivan High School, Chicago, IL	2014
American Orthopaedic Academy William Root Award	2014
American Academy of Orthopaedic Surgeons Best Poster in Practice Management, "Is Aspirin Enough? Rate of Asymptomatic and Symptomatic DVT and PE After Total Joint Arthroplasty" AAOS Annual Meeting, Orlando, FL	2016
Orthopedics Blue Ribbon Article Award in recognition of outstanding contribution to the orthopedic literature. Aspirin Alone Is Not Enough To Prevent Deep Venous Thrombosis After Total Joint Arthroplasty. <i>Orthopedics</i> . 2019; 42(1)48-55.	2019

**PROFESSIONAL AFFILIATIONS**

American Medical Association	1983
Illinois State Medical Society	1983
Chicago Medical Society	1983
University of Illinois Orthopaedic Alumni Association	1983
Lake County Medical Society	1984
Chicago Rheumatism Society	1984
Illinois Orthopaedic Society	1984
Fellow, American Rheumatism Association	1986

Fellow, American Academy of Orthopaedic Surgeons	1988
Board Member IPA Lutheran General Hospital	1990
Board Member HPO Lutheran General Hospital	1991
Founding Member and Board Member Midwest Orthopaedic Network	1994
The American College of Physician Executives	1995
American Association of Hip and Knee Surgeons	1995
Treasurer Illinois Orthopaedic Society	1998-2000
Secretary Illinois Orthopaedic Society	2000-2002
President Elect Illinois Orthopaedic Society	2001-2002
President Illinois Orthopaedic Society	2002-2003
International Society for Technology in Arthroplasty	2002
American Orthopaedic Association	2007

### **ORIGINAL ARTICLES**

Goldstein W, Gleason T, Barmada R: A Comparison between Arthrotomy and Irrigation and Multiple Aspirations in the Treatment of Pyogenic Arthritis – A Histological Study in a Rabbit Model, *Orthopaedics*, 1983, 6 (10): 1309.

Gleason T, Goldstein W: Traumatic Recurrent Posterior Dislocation of the Radial Head – A Case Report, *Clinical Orthopaedics and Related Research*, April 1984, 184:186.

Goldstein W, Barmada R: Early Mobilization of Medial Collateral Ligament Repairs: A Biomechanical and Histological Study, *Archives of Physical Medicine and Rehabilitation*, May 1984, 65:239.

Gleason T, Goldstein W, Ray R: The Function of the Anconeus Muscle, *Clinical Orthopaedics and Related Research*, Jan-Feb 1985, 182:147.

Scott R, Goldstein W: Segmental Avascular Necrosis of the Patella, *The American Journal of Knee Surgery*, 1988, 1(1): 67.

Anderson J, Goldstein W: Arthroscopy in Patients Over the Age of 50 Years, *American Journal of Arthroscopy*, October 1991, 1(80) 15-18.

Jiganti J, Goldstein W, Williams C: A Comparison of the Peri-Operative Morbidity in Total Joint Arthroplasty in the Obese and Non-Obese Patient, *Clinical Orthopaedics*, April 1993, 289:175-179.

Sinacore J, Karnezis T, Goldstein W: Methods for Exploring Curvilinear Relationships and Conducting Tests of Statistical Significance: An Illustration from Orthopaedic Research, *Arthritis Care and Research*, Vol. 9, No. 4, August 1996.

Baillie D, Goldstein W: Total Knee Arthroplasty after Hauser Procedure: A Report of Three Cases and Description of the Surgical Technique, *American Journal of Knee Surgery*, Spring 1998.

Mayer R, Goldstein W, Mayer A: Effects of Intrathecal Morphine as a Supplement to General Anesthesia in Bilateral Total Knee Replacement, *Journal of Advocate Health Care*, Winter 1999.

Goldstein W, Peatman T: Total Knee Arthroplasty in the Diabetic Patient, AAOS Educational CD-ROM, September 1999.

Goldstein W: Total Hip Arthroplasty in the Morbidly Obese Patient, *Orthopaedics Today*, March 2000.

Goldstein W: Offset tibial tray offers extension without the worry – Interview, *Orthopaedics Today*, March 2000.

Comisar B, Goldstein W: Unilateral vs. Bilateral Total Knee Arthroplasty in Patients 75 and Older, *Orthopaedic Technology Review*, Vol. 2, No. 7, July/August 2000.

Goldstein W, Branson J: Sequential Bilateral Total Knee Arthroplasty, *AORN Journal*, March 2001.

Goldstein W, Jimenez M, Bailie D, Wall R, Branson J: Safety of a Clinical Surveillance Protocol with Three and Six Week Warfarin Prophylaxis after Total Joint Arthroplasty: A Report on 1,869 Patients with 2,178 Arthroplasties, *Orthopaedics*, July 2001.

Goldstein W, Gleason T, Kopplin M, Branson J: Prevalence of Dislocation after Total Hip Arthroplasty Through a Posterolateral Approach with Partial Capsulotomy and Capsulorrhaphy, *Journal of Bone and Joint Surgery*, Supplement 2-1, 2001.

Goldstein W, Kopplin M, Wall R, Berland K: Temporary Articulating Methylmethacrylate Antibiotic Spacer (TAMMAS) A New Method of Intra-Operative Manufacturing of Custom Intra-Articulating Spacer, *Journal of Bone and Joint Surgery*, Supplement 2-2, 2002.

Goldstein W, Branson J, Berland K: Posterior Medial Capsular Release and External Rotation of the Tibia to Enhance Exposure During Total Knee Arthroplasty, *Journal of Bone and Joint Surgery*, Supplement 2, Vol. 84-A, 2002.

Goldstein W: Minimal Incision Total Hip Arthroplasty Safe and Appealing, *Academy News*, AAOS, February 8, 2003.

Goldstein W, Gordon A, Branson J: Minimal Incision Total Hip Arthroplasty, *Journal of Bone and Joint Surgery*, Supplement 4, Vol. 85-A, 2003.

Branson J, Goldstein W: Primary Total Hip Arthroplasty, *AORN Journal*, December 2003.

Goldstein W, Branson J: Posterolateral Approach to Minimal Incision Total Hip (MITH) Arthroplasty, *Orthopaedic Clinics of North America*, 2004.

Goldstein W, Toms A, Branson J: Impaction Grafting of Bone Defects in Revision Total Knee Arthroplasty, *Techniques in Knee Surgery*, Vol. 3, No. 2, June 2004.

Goldstein W: Conversion to Digital Imaging Requires Workflow Analysis, *Academy News*, AAOS, February 24, 2005.

Goldstein W, Branson J: Modular Femoral Component for Conversion of Previous Hip Surgery in Total Hip Arthroplasty, *Orthopaedics*, Supplement Vol. 28, No. 9, 2005.

Goldstein W, Branson J: Leg-Length Inequality in Total Hip Arthroplasty, *Orthopaedics*, Supplement Vol. 28, No. 9, 2005.

Goldstein W, Branson J, Simmons C: Implant Sizing of the Sigma RP Total Knee System, *Orthopaedics*, Supplement Vol.29, No. 9, September 2006.

Goldstein W, Gordon A, Branson J: Range of Motion in Cruciate Retaining Mobile-Bearing Total Knee Arthroplasty: Experience with 2,000 Cases, *Orthopaedics*, Supplement Vol.29, No. 9, September 2006.

Goldstein W, Jimenez M, Gordon A, Branson J, Berland K: Use of a Sentinel Pin as a Guide to Acetabular Component Anteversion in Total Hip Arthroplasty, *Journal of Bone and Joint Surgery*, Supplement Vol. 88:97-100, December 2006.

Goldstein W, Raab D, Gleason T, Branson J, Berland K: Why Posterior Cruciate-Retaining and Substituting Total Knee Replacements have Similar Ranges of Motion. The Importance of Posterior Condylar Offset and Cleanout of Posterior Condylar Space, *Journal of Bone and Joint Surgery*, Supplement Vol. 88:182-188, December 2006.

Goldstein W, Gordon A, Branson J, Simmons C, Berland K: Stress over the Anterior Aspect of the Knee with Kneeling, *Journal of Bone and Joint Surgery*, Vol. 89:162-166, 2007.

Goldstein W, Ali R, Branson J, Berland K: Comparison of Patient Satisfaction with Incision Cosmesis after Standard and Minimally Invasive Total Hip Arthroplasty, *Orthopaedics*, Vol. 31:4, 368, online access at [OrthoSuperSite.com/view.asp?rID=27094](http://OrthoSuperSite.com/view.asp?rID=27094), April 2008.

Dalury D, Barrett W, Mason J, Goldstein W, Murphy J, Roche M: Midterm Survival of a Contemporary Modular Total Knee Replacement: A Multi-Center Study of 1970 knees. *Journal of Bone and Joint Surgery*, 90(12):1594-1596, 2008.

Fabi D, Goldstein W, Gordon A: Dislocation of an S-ROM Total Hip Arthroplasty Secondary to Traumatic Femoral Stem Dissociation from Metaphyseal Sleeve. *J Arthroplasty*, 24(1):159.e19-159.e24, Jan: 2009.[epub 2008 Jun 4]

Chandran N, Amirouche F, Gonzalez MH, Hilton KM, Barmada R, Goldstein W: Optimisation of the Posterior Stabilised Tibial Post for Greater Femoral Rollback after Total Knee Arthroplasty-a Finite Element Analysis. *International Orthopaedics (SICOT)*, 33:687-693, 2009.



Fabi DW, Gonzalez MH, Goldstein WM, Ahmed M. Acetabular Cup Revision with the Use of the Medial Protrusion Technique at an Average Follow-up of 6.6 Years. *JArthroplasty*, 25(2):197-202, 2010.

Goldstein WM, Gordon AC, Youderian A, Branson JJ, Murphy JA. Mid-Term Survivorship Results for a Rotating Platform Knee Prosthesis. *Orthopaedics*, Vol.34:1, 16, online access at OrthoSuperSite <http://www.orthosupersite.com/view.aspx?rid=78545>, Jan 2011.

Fabi DW, Mohan V, Goldstein WM, et al. Unilateral vs. Bilateral Total Knee Arthroplasty Risk Factors Increasing Morbidity. *JArthroplasty*, 26(5):668-673, 2011.

Goldstein W, Gordon A, Branson JJ, Swope S. Rotating Platform Revision Total Knee Arthroplasty. *Journal of Knee Surgery*. Vol. 25(1)45-50, 2012. PMID 22624247

Goldstein W, Amirouche F. The Effect of Cutting Depth and Obliquity on Patella Stress and Stability-A Finite Element Analysis, submitted *Journal of Arthroplasty*, 2012.

Goldstein W, Amirouche F. Augmentation of Acetabular Defect with Kryptonite Bone Cement in THR: A Mechanical Testing of Micromotion and Stability of Cup-Bone Interface, submitted *Journal of Arthroplasty*, 2012.

Goldstein W, Amirouche F. The Effect of Button Placement on Patella Stress and Fatigue during Patella Resurfacing in TKA, submitted *Journal of Arthroplasty*, 2012.

Amirouche F, Choi KW, Goldstein W, Gonzalez MH, Broviak S. Finite Element Analysis of Resurfacing Depth and Obliquity on Patella Stress and Stability in TKA, *Journal of Arthroplasty*, 28:978-984, 2013. PMID 23523209

Amirouche F, Goldstein W, Gonzalez M. Effect of Button Placement during Patella Resurfacing on Patella Stress and Fatigue in Total Knee Arthroplasty, submitted *The Open Orthopaedics Journal*, 2013.

Goldstein W, CORR Insights: Developing a Pathway for High-Value, Patient-Centered Total Joint Arthroplasty, *CORR*, December, 2013. DOI: 10.1007/s11999-013-3398-4. PMID 24353052

Merz M, Goldstein W, Gordon A, Bohnenkamp F, Sulo, S. "Perioperative Differences in Conventional and Computer-Assisted Surgery in Bilateral Total Knee Arthroplasty," accepted for publication, *American Journal of Orthopaedics*, 2014. PMID 24945475

Meyer G, Goldstein W. "Improving Orthopaedic Postoperative Pathways of Care Using a Rehabilitation Discharge Planning Index," *Orthopaedic Practice*, (26)2:104-107, 2014.

Mayers W, Schwartz B, Schwartz A, Moretti V, Goldstein W, Shah R. National Trends and In Hospital Outcomes for Total Hip Arthroplasty in Avascular Necrosis in the United States. *International Orthopaedics*. 2016 Sep;40(9):1787-92.

Woon C, Piponov H, Schwartz B, Moretti V, Schraut N, Shah R, Goldstein W. Total Knee Arthroplasty in Obesity: In-Hospital Outcomes and National Trends. *Journal of Arthroplasty*. 2016 Nov;31(11):2408-2414.

Shah RR, Goldstein JM, Cipparrone NE, Gordon AC, Jimenez ML, Goldstein WM. Alarming High Rate of Implant Fractures in One Modular Femoral Stem Design: A Comparison of Two Implants. *Journal of Arthroplasty*, 2017;32:3157-62.

Woon CYL, Shah RR, Pardi BM, Schwartz BE, Goldstein JM, Cipparrone NE, Goldstein WM. Aspirin Alone Is Not Enough To Prevent Deep Venous Thrombosis After Total Joint Arthroplasty. *Orthopedics*. 2019; 42(1)48-55.

Shah RR, Cipparrone NE, Parilla FW, Robinson MG, Gordon AC, Goldstein WM. Survivorship of the Modular Femoral Revision Stem. *Orthopedics*. 2019; April (In Press).

### **DVD INSTRUCTION**

Palacos Bone Cement and the Optimac Vacuum Mixing System, Biomet Orthopaedics, Inc., 2001. Presented at 2001 AAOS Meeting.

Minimal Incision Total Hip Arthroplasty DVD, Posterolateral: The MITH, Wayne Goldstein, M.D., AAOS, October 2003.

### **ABSTRACTS**

Goldstein W, Gleason T, Ghosh L, Barmada R: Aspiration vs. Arthrotomy and the Use of Systemic or Intra-Articular Steroids in the Treatment of Pyogenic Arthritis, Orthopaedic Transactions of the Orthopaedic Research Society, 1984.

### **PRESENTATIONS AND EXHIBITS**

The Efficacy of Aspiration or Arthrotomy in the Treatment of Pyogenic Arthritis. The Preservation of Joint Hyalin Cartilage by Systemic or Intra-Articular Steroids, Exhibited at the Orthopaedic Research Society Meeting, Atlanta, GA, 1984.

Goldstein W, Mess D, Cherf J: Clinical and Radiographic Review of Cementless Threaded Acetabular Components Used in Total Hip Arthroplasty, Annual AAOS Meeting, Las Vegas, NV, 1989.

Anderson J, Goldstein W: Arthroscopy in Patients Over 50 Years of Age, Poster Exhibit, Annual AAOS Meeting, New Orleans, LA, 1990.

Goldstein W, Masini M: A Clinical and Cost Analysis of the Medicare Patient with Hip Fracture. Strategy for Treatment under DRG's, Scientific Exhibit, Annual AAOS Meeting, Anaheim, CA, March 1991.

Goldstein W, Masini M: A Clinical and Cost Analysis of Patients Admitted from Home or a Nursing Home with a Hip Fracture, Annual AAOS Meeting, Anaheim, CA, March 1991.

Jiganti J, Goldstein W: Total Joint Replacement in the Obese Patient, Poster Exhibit, Annual AAOS Meeting, Anaheim, CA, March 1991.

Goldstein W, Patek R, Stine J, Szpila K: Cost Analysis of Total Hip and Total Knee Arthroplasty in the Medicare Patient. Strategy in Dealing with DRG's, Scientific Exhibit, Annual AAOS Meeting, Washington, D.C., February 1992.

Karnezis T, Goldstein W: Clinical and Cost Analysis of Postoperative Pain Management in Total Joint Arthroplasty. A Comparison of IM Morphine, Patient Controlled Analgesia, and Epidural Narcotic, Scientific Exhibit, Annual AAOS Meeting, Washington, D.C., February 1992.

Goldstein W, Jimenez M, Carlson S, Stine J, Szpila K: Decreasing Transfusion and Blood Cost in Total Knee Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, New Orleans, LA, February 1994.

Karnezis T, Goldstein W, Drennan DB, Sincore J: The Effect of Postoperative Sagittal Laxity in Total Knee Arthroplasty, Clinical and Radiographic Analysis, Scientific Exhibit, Annual AAOS Meeting, New Orleans, LA, February 1994.

Karnezis T, Goldstein W, Drennan DB, Sincore J: The Effect of Postoperative Sagittal Laxity in Total Knee Arthroplasty, Clinical and Radiographic Analysis, Paper Presentation, Annual AAOS Meeting, New Orleans, LA, February 1994.

Goldstein W, Jimenez M, Patek R, Stine J, Szpila K: Cost Analysis of Unilateral vs. Bilateral Sequential Total Knee Arthroplasty in the Medicare Patient, Scientific Exhibit, Annual AAOS Meeting, New Orleans, LA, February 1994.

Goldstein W: Cost Analysis of Total Hip and Total Knee Arthroplasty, AAOS Instructional Course Lecture, New Orleans, LA 1994.

Goldstein W: Cost Analysis of Total Hip and Total Knee Arthroplasty, AAOS Instructional Course, Orlando, FL, February 1995.

Baillie D, Goldstein W, Raab D: Total Knee Arthroplasty after Hauser Procedure: A Report of Three Cases in Two Patients and Description of the Surgical Technique, Poster Exhibit, Annual AAOS Meeting, Orlando, FL, February 1995.

Goldstein W, Stine J, Butler A, Carlson S, Raab D: Clinical and Cost Analysis of the Extended Care Facility after Total Joint Arthroplasty: The Cost of Medicare Patient after DRG209, Poster Exhibit, Annual AAOS Meeting, Orlando, FL, February 1995.

Baillie D, Goldstein W, Baxamusa T, Stine J: Clinical and Cost Analysis of Low Dose Warfarin for Prophylaxis of Thromboembolic Disease after Total Joint Arthroplasty: Comparison of a Three Week and Six Week Protocol Using Clinical Surveillance, Scientific Exhibit, Annual AAOS Meeting, Orlando, FL, February 1995.

Kelikian A, Lin PL, Goldstein W: Incidence of Tarsal Tunnel Syndrome in Uncomplicated Ankle Fracture, Poster Exhibit, Annual AAOS Meeting, Atlanta, GA, February 1996.

Summerville B, Goldstein W, Messer T: Radiographic Comparison and Incidence of Lateral Release Between a Three-Pegged Resurfacing and Inset All – Polyethylene Patella in a Semi-Constrained Total Knee Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, Atlanta, GA, February 1996.

Goldstein W, Summerville B, Messer T: Clinical Comparison of a Three-Pegged Resurfacing and Inset Patella in a Semi-Constrained Total Knee Arthroplasty, Poster Presentation, Annual AAOS Meeting, Atlanta, GA, February 1996.

Goldstein W: Cost Analysis of Total Hip and Total Knee Arthroplasty, AAOS Instructional Course, Atlanta, GA, February 1996.

Kramer A, Goldstein W: Clinical and Cost Effectiveness of Recovery Room X-rays after Primary Total Joint Arthroplasty, Poster Exhibit, Annual AAOS Meeting, Atlanta, GA, February 1996.

Kramer A, Goldstein W: Clinical and Cost Effectiveness of Recovery Room X-rays after Primary Total Joint Arthroplasty, Poster and Paper Presentation, Annual Mid-American Orthopaedic Association Meeting, San Antonio, TX, April 24-28, 1996.

Stine J, Goldstein W, Raab D, Patek R, MacGregor L: A Clinical and Cost Analysis of the Hip Fracture Medicare Patient: DRG Cost Effectiveness of an Implemented Case Management Algorithm, Scientific Exhibit, Annual AAOS Meeting, San Francisco, CA, February 13-17, 1997.

Kramer A, Raab D, Kelikian A, Goldstein W: New Technique for High Tibial Osteotomy: Distraction Valgus Osteotomy with External Fixator, Scientific Exhibit, Annual AAOS Meeting, San Francisco, CA, February 13-17, 1997.

Sathy M, Goldstein W, Aminian A, Carlson S: Complications of Polyethylene Wear in a First Generation Porous Coated Modular Acetabular Implant, Scientific Exhibit, Annual AAOS Meeting, San Francisco, CA, February 13-17, 1997.

Comisar R, Goldstein W, Raab D, Jimenez M: Unilateral vs. Bilateral Total Knee Arthroplasty in Patients 75 Years of Age and Older, Scientific Exhibit, Annual AAOS Meeting, San Francisco, CA, February 13-17, 1997.

Kelikian A, Lin P, Kodros S, Goldstein W: Incidence of Tarsal Tunnel Syndrome in Patients with Acquired PES Planovalgus or Posterior Tibial Tendon Dysfunction (PTD), Poster Exhibit, Annual AAOS Meeting, San Francisco, CA, February 13-17, 1997.

Jimenez M, Goldstein W, Bailie D, Baxamusa T, Roman A, Stine J: Safety of a Clinical Surveillance Protocol with Three and Six Week Warfarin Prophylaxis after Total Joint Arthroplasty in 1,678 Arthroplasties, Scientific Exhibit, Annual AAOS Meeting, San Francisco,

CA, February 13-17, 1997.

Raab D, Kelikian A, Kramer A, Goldstein W: New Technique for High Tibial Osteotomy Distraction Valgus Osteotomy with External Fixation, Video and Electronic Media Program, Annual AAOS Meeting, New Orleans, LA, March 19-23, 1998.

Mudd J, Goldstein W, Mayer A, Sorenson L: The Cause of Length of Stay Beyond Four Days in a Total Joint Arthroplasty Algorithm, Poster Exhibit, Annual AAOS Meeting, New Orleans, LA, March 1998.

Schutte H, Goldstein W, Salehi A, Weaver K: Finite Element Analysis and Three Dimensional Photoelastic Strain Analysis of Polyethylene Shell at Different Degrees of Abduction and Anteversion, Scientific Exhibit, Annual AAOS Meeting, New Orleans, LA, March 1998.

Collinge C, Jimenez M, Goldstein W, Roman A: Safety of a Clinical Surveillance Protocol with Three Week Subcutaneous Heparin Prophylaxis after Hip Fracture Surgery, Orthopaedic Trauma Association, Poster, 1998.

Goldstein W, Assenmacher J, Flicker M, Anderson K: Range of Motion after Primary Total Knee Arthroplasty in Patients with Diabetes Mellitus, Poster Exhibit, Annual AAOS Meeting, Anaheim, CA, February 1999.

Goldstein W, Gleason T, Hamilton K, Berland K: Symptomatic Posterior Instability of Posterior Cruciate Retaining Total Knee Replacement, Diagnosis with Lateral X-ray View with Flexion by Gravity, Poster Exhibit, Annual AAOS Meeting, Anaheim, CA, February 1999.

Meltzer W, Goldstein W, Skinner H, Tozakoglou E: Time Motion Study of Total Hip Replacement: A Tool to Improve Surgical Team Performance, Scientific Exhibit, Annual AAOS Meeting, Anaheim, CA, February 1999.

Tozakoglou E, Goldstein W: Using Internal Landmarks in Orienting the Acetabular Component in Total Hip Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, Anaheim, CA, February 1999.

Kelikian A, Goldstein W, Kodros S, Williams C, Gottlob C: The Venous Foot Pump as Prophylaxis of a Deep Vein Thrombosis in a Weightbearing Cast, Poster Exhibit, Annual AAOS Meeting, Anaheim, CA, February 1999.

Leopold S, Martell J, Finn H, Buckman J, Goldstein W, Karrison T: Warfarin vs. Enoxoparin in Total Knee Arthroplasty: A Prospective Randomized Study of Thrombosis, Bleeding and Difficulties of Outpatient Anticoagulation, Poster Exhibit, Annual AAOS Meeting, Orlando, FL, March 2000.

Comisar R, Goldstein W: Unilateral vs. Bilateral Total Knee Arthroplasty in Patients Age 75 and Older Analysis of Preoperative Co-Morbidity, Peri-Operative Complications and Late

Complications, Scientific Exhibit, Annual AAOS Meeting, Orlando, FL, March 2000.

Goldstein W, Gleason T, Stulberg SD, Branson J, Berland K: Laterally Eccentric Tibial Stem Position in Total Knee Arthroplasty: "Should the Stem be Moved 3mm Medial on the Tray?" Scientific Exhibit, Annual AAOS Meeting, Orlando, FL, March 2000.

Goldstein W, Kopplin M, Wall R, Berland K: Temporary Articulating Methylmethacrylate Antibiotic Spacer (TAMMAS): A New Method of Intra-Operative Manufacturing of Custom Intra-Articulating Spacer, Scientific Exhibit, Annual AAOS Meeting, San Francisco, CA, February 2001.

Goldstein W, Gleason T, Kopplin M, Ocel D, Branson J: Incidence of Dislocation after Total Hip Arthroplasty Using Posterior Approach with Partial Capsulotomy and Capsulorrhaphy, Scientific Exhibit, Annual AAOS Meeting, San Francisco, CA, February 2001.

Goldstein W, Nasser, R, Wall R, Branson J: Ten-Year Results of Dealing with Medicare Reimbursement for DRG-209. Results of the Final Strategy before Compromising Quality of Care, Podium Paper, Annual AAOS Meeting, San Francisco, CA, February 2001.

Goldstein W, Wall R, Branson J: Incidence of Tibial Loosening in Cemented Total Knee Arthroplasty when a Keeled Stem is Press-Fit and not Cemented, Podium Paper, Annual AAOS Meeting, San Francisco, CA, February 2001.

Fehring T, Odum S, Nafziger J, Griffin W, Pomeroy D, Pellegrini V, Goldstein W, Dennis D: Premature Wear and Osteolysis in PFC Modular Total Knees, Podium Paper, Annual AAOS Meeting, San Francisco, CA, February 2001.

Goldstein W, Branson J, Berland K: Posterior Medial Capsular Release and External Rotation of the Tibia to Enhance Exposure during Total Knee Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, Dallas, February 2002.

Goldstein W, Chandran N, Amirouche F, Barmada R: Malalignment and Friction on Contact Pressure in the Polyethylene Component in the Total Knee Replacement, Paper Presentation, 2003 International Mechanical Engineering Congress & Exhibition, New Orleans, LA, November 2002.

Goldstein W, Gordon A, Branson J, Berland K: Minimal Incision Total Hip Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, New Orleans, LA, February 2003.

Goldstein W, Anissian L, Nasser R, Branson J: The Effect of a Mobile Bearing Tibial Component on Early Range of Motion Following Total Knee Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, New Orleans, LA, February 2003.

Goldstein W, Branson J, Berland K: Impaction Grafting of Non-Contained Femoral Bone Defects in Revision Total Knee Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, New Orleans, LA, February 2003.

Goldstein W, Nasser R, Branson J, Jankowski L: Incidence of Patella Fracture in Two Different Implant Designs, Scientific Exhibit, Annual AAOS Meeting, New Orleans, LA, February 2003.

Goldstein W, Gleason T, Jimenez M, Wold D, Zizzo M: Re-Engineering Private Practice Business Strategies to Deal with Declining Reimbursement and Increasing Costs, Scientific Exhibit, Annual AAOS Meeting, San Francisco, CA, March 2004.

Blum S, Wu D, Goldstein W, Schroeder A, Quarnstrom K: Fascia Iliac Blocks for Postoperative Analgesia in Total Knee Arthroplasty Patients, Scientific Exhibit, Annual AAOS Meeting, San Francisco, CA, March 2004.

Goldstein W, Gleason T, Jimenez M, Branson J, Berland K: Acetabular Revision for Hip Dislocation. Frequent Failures and Multiple Re-Operations, Poster, Annual AAOS Meeting, San Francisco, CA, March 2004.

Schechter L, Layke J, Goldstein W, Gottlieb L: The Gastrocnemius-Achilles Myocutaneous Flap (GAT Flap) for Single Stage Reconstruction of Combined Soft Tissue and Extensor Mechanism Defects of the Knee: An 18 year Experience, Reconstructive Paper No. 5829, Plastic Surgery, 2004, Philadelphia, PA, October 9-13, 2004.

Goldstein W, Visotsky J, Wold D, Ali R, Branson J, Berland K, Zizzo M: Conversion to Digital Radiography in the Orthopaedic Office Practice: The Move to Digital Imaging, Scientific Exhibit, Annual AAOS Meeting, Washington D.C., February 2005.

Goldstein W, Ali R, Branson J, Berland K: Patient Priorities and Importance of Cosmesis after Total Hip Arthroplasty: Standard vs. Minimal Incision, Podium Paper, Annual AAOS Meeting, Washington D.C., February 2005.

Jimenez M, Sferra T, Goldstein W, Garapati R: Locked Plating for Peri-Prosthetic Femur Fractures, Scientific Exhibit, Annual AAOS Meeting, Washington D.C., February 2005.

Branovacki G, Colwell C, Abraham E, Chung L, Goldstein W: The Evolution of Hip and Knee Arthroplasty Implants and Their Manufacturers, Scientific Exhibit, Annual AAOS Meeting, Washington D.C., February 2005.

Goldstein W, Berland K, Branson J, Gleason T, Raab D: Why Posterior Cruciate Retaining (CR) and Substituting (CS) Total Knee Arthroplasty (TKA) have Similar Range of Motion. The Importance of Posterior Condylar Offset and Cleanout of Posterior Condylar Space, Scientific Exhibit, Annual AAOS Meeting, Chicago, IL, March 2006.

Schechter L, Goldstein W, Branson J, Berland K, Gleason T: Methods of Patella-Femoral and Extensor Mechanism Reconstruction for Fracture and Disruption after Total Knee Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, Chicago, IL, March 2006.

Jimenez M, Goldstein W, Garapati R, Sferra T: Locked Plating for Peri-Prosthetic Femur Fractures, Scientific Exhibit, Annual AAOS Meeting, Chicago, IL, March 2006.

Goldstein W, Jimenez M, Berland K, Branson J, Gordon A: Use of Sentinel Pin as a Guide to Acetabular Component Anteversion in Total Hip Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, Chicago, IL, March 2006.

Goldstein W, Bernasek T, Swank M: Factors Increasing Risk of Soft Tissue Injury during MI-Total Hip Arthroplasty, Poster, Annual AAOS Meeting, Chicago, IL, March 2006.

Roche M, Barrett R, Goldstein W: Survival Analysis of a Second Generation Contemporary Modular Total Knee Replacement: A Large Multi-Center Nine-Year Study, Poster, Annual AAHKS Meeting, Dallas, TX, November 2006.

Goldstein W, Gordon A, Branson J: Implant Sizing and Female Gender in Total Knee Arthroplasty: Differences between U.S. Manufacturers, Poster, Annual AAHKS Meeting, Dallas, TX, November 2006.

Goldstein W, Chow J, Gordon A, Levi G, Connor J, Baker J, Schwartz A, Chow B, Branson J: Patellar Cut Obliquity in the Sagittal Plane is Predictive of Peri-Prosthetic Patella Fracture in Cemented Total Knee Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, San Diego, CA, February 2007.

Goldstein W, Gordon A, Branson J, Simmons C, Berland K: Implant Sizing in Female Total Knee Arthroplasty, Scientific Exhibit, Annual AAOS Meeting, San Diego, CA, February 2007.

Goldstein W, Gordon A, Branson J, Simmons C, Berland K: Evaluating Stress over the Anterior Knee with new Kneelprint Concept, Scientific Exhibit, Annual AAOS Meeting, San Diego, CA, February 2007.

Goldstein W, Gordon A, Branson J, Simmons C, Berland K, Solari M, Kern J: Causes for Total Joint Arthroplasty Cancellations over a Three-Year Period, Scientific Exhibit, Annual AAOS Meeting, San Diego, CA, February 2007.

Roche M, Barrett W, Mason J, Miller R, Goldstein W, Murphy J: Survival Analysis of a Contemporary Modular Total Knee Replacement: A Large Multi-Center Nine-Year Study, Poster Exhibit, Annual AAOS Meeting, San Diego, CA, February 2007.

Goldstein W, Gordon A, Goldstein J, Berland K, Branson J, Sarin V: Improvement of Cement Mantle Thickness with Pressurized Carbon Dioxide Lavage. Twentieth Annual Symposium of the International Society for Technology in Arthroplasty, Paris, France, October 2007.

Gonzalez M, Goldstein W, Gordon A, Amirouche F: Improved Acetabular Screw Fixation with Injectable Self-Curing Calcium Sulfate, Scientific Exhibit, Annual AAOS Meeting, San Francisco, CA, March 2008.

Goldstein W, Gordon A, Branson J, Simmons C, Berland K, Willsey D, Andrews A: Over-Utilization of MRI in the Osteoarthritis Patient, Poster, Annual AAOS Meeting, San Francisco, CA, March 2008.



Gordon A, Goldstein W, Branson J, Simmons C, Berland K: Mobile Bearing Revision Total Knee Arthroplasty: Rationale and Early Clinical Results, Poster, Annual AAOS Meeting, San Francisco, CA, March 2008.

Goldstein W, Gordon A, Branson J, Simmons C, Berland K: Does Femoral Component Overhang and Under-Sizing Affect Postoperative Total Knee Arthroplasty Pain? Podium Paper, No. 067, Annual AAOS Meeting, San Francisco, CA, March 2008.

Levi G, Meininger A, Chow B, Goldstein W, Branson J, Simmons C: Complication Rates in Limited Incision Posterolateral & Standard Posterolateral Total Hip Arthroplasty, Podium Paper, Annual AAOS Meeting, San Francisco, CA, March 2008.

Yau P, Goldstein W, Gordon A, Branson J, Simmons C, Berland K, Cui S: Incidence of Patella Fracture after Total Knee Arthroplasty with Two Resection Techniques, Scientific Exhibit SE26, Annual AAOS Meeting, Las Vegas, NV, February 2009.

Chow J, Goldstein W, Gordon A, Levi G, Connor J, Baker J, Schwartz A, Chow B, Branson J: Patellar Cut Obliquity in the Sagittal Plane is Predictive of Peri-Prosthetic Patella Fracture in Cemented Total Knee Arthroplasty, Abstract No. 2829, Paper, International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress, Osaka, Japan, April 5-9, 2009.

Amirouche F, Gonzalez M, Goldstein W, Derhake A, Dudas B: Computer Modeling of the Patellofemoral Joint Instability: Patella Inherent Geometry Influence on Stress and Loading, Poster, ASME Summer Bioengineering Conference, The Resort at Squaw Creek, Lake Tahoe, CA, June 17-21, 2009.

Yau P, Goldstein W, Gordon A, Branson J, Simmons C, Berland K, Cui S: Incidence of Patella Fracture after Total Knee Arthroplasty with Two Resection Techniques, Poster, NorthShore University HealthSystem 2009 Poster Reception, October 2009.

Goldstein W, Gordon A, Branson J, Simmons C, Berland K, Willsey D, Andrews A: Over-Utilization of MRI in the Osteoarthritis Patient, Poster, NorthShore University HealthSystem 2009 Poster Reception, October 2009.

Gordon A, Goldstein W, Branson J, Simmons C, Berland K: Mobile Bearing Revision Total Knee Arthroplasty: Rationale and Early Clinical Results, Poster, NorthShore University HealthSystem 2009 Poster Reception, October 2009.

Saini G, Amirouche F, Goldstein W: Effect of Stem Length and Extent of Porous Coating on Stress Shielding in Total Hip Arthroplasty, abstract accepted, ORS Annual Meeting, New Orleans, LA, March 6-9, 2010.

Mohan V, Fabi D, Dunn J, Murphy B, Goldstein W: Unilateral versus Bilateral Total Knee Arthroplasty: Risk Factors Increasing Morbidity, Podium Paper 683, Annual AAOS Meeting, New Orleans, LA, March 2010.

Youderian A, Goldstein J, Goldstein W, Gordon A, Branson J, Simmons C: Incidence of Postoperative Hip Dislocation after THA with Various Head Sizes, Podium Paper 310, Annual AAOS Meeting, New Orleans, LA, March 2010.

Baydoun H, Goldstein W, Branson J, Simmons C: BMI over 6 Years in Total Joint Patients, Comparison of Age vs. Complications, #187 Poster, Annual AAOS Meeting, New Orleans, LA, March 2010.

Goldstein W, Informed Consent Discussions with the Difficult Patient, Informed Consent Lecture 275, Annual AAOS Meeting, New Orleans, LA, March 2010.

Dalury D, Goldstein W, Risk of Spinout in 3,800 Rotating Platform Knees at Minimum of 5 Years, Podium Presentation, AAHKS, Dallas TX, November 2010.

Dalury D, Goldstein W, Risk of Spinout in 3,800 Rotating Platform Knees at Minimum of 5 Years, Poster, AAOS, San Diego CA, February, 2011.

Goldstein W, Gordon A, Goldstein J, Branson J. Comparison of Outcomes in Standard versus High-Flexion Condylar Cruciate Retaining Mobile Bearing Femurs in Total Knee Arthroplasty, #P146 Poster, Annual AAOS Meeting, San Francisco, CA, February, 2012.

Goldstein W, Shah R, Branson J, Khania S. Comparative Hemodynamic Study of Mechanical Compression Devices for Venous Thromboembolism Prophylaxis, Advocate Research Forum, Poster, October 24, 2012.

Goldstein W, Shah R, Gordon A. Modular Femoral Stem Failures: A Cause for Concern, #402 Poster, Annual Meeting AAHKS, Dallas, TX, November 2-4, 2012.

Merz M, Goldstein W, Goldstein J, Bohnenkamp F, Branson J. Six Year Review on Efficacy of Preoperative Vena Cava Filters in Arthroplasty Patients at Risk for Pulmonary Embolism, #P150 Poster, Annual AAOS Meeting, Chicago, IL, 2013.

Goldstein W, Shah R, Gordon A. Modular Femoral Stem Failures: A Cause for Concern, #P057 Poster, Annual AAOS Meeting, Chicago, IL, 2013.

Bohnenkamp F, Goldstein W, Simons M. Posterior Femoral Condyle Radiolucency in Mobile Bearing Total Knee Arthroplasty, #31-A Poster, Mid-America Orthopaedic Association 31<sup>st</sup> Annual Meeting, Amelia Island, FL, 2013.

Merz M, Goldstein W. Complications in Conventional versus Computer-Assisted Navigation in Sequential Bilateral Total Knee Arthroplasty, #24-AB Poster, Mid-America Orthopaedic Association 31<sup>st</sup> Annual Meeting, Amelia Island, FL, 2013

Simons M, Goldstein W. Radiographic Comparison of Limb Length Discrepancies in Single Stage versus Two Stage Bilateral Total Hip Arthroplasty, #42-A Poster, Mid-America Orthopaedic Association 31<sup>st</sup> Annual Meeting, Amelia Island, FL, 2013

Bronsnick D, Goldstein J, Hall J, Goldstein W. 10 Year Outcomes in Primary Total Hip Arthroplasty using a Modular Femoral Stem, Podium Presentation, 2014 OREF/ORS/Midwest Resident Research Symposium, Northwestern University, Chicago, IL , May 2, 2014.

Schwartz B, Mossad D, Moretti V, Shah R, Goldstein W. Total Hip Arthroplasty in the Younger Patient: A Retrospective Cohort Study, Podium Presentation, Annual AAOS Meeting, Las Vegas, NV, 2015

Schwartz B, Schraut N, Moretti V, Shah R, Goldstein W. National trends of Occurrence of Pulmonary Embolism After Total Hip Arthroplasty, Podium Presentation, Annual AAOS Meeting, Las Vegas, NV, 2015

Schwartz B, Moretti V, Goldstein W, Shah R. Total Hip Arthroplasty in Avascular Necrosis: Perioperative Outcomes and National Trends, Poster Presentation, Mid America Orthopaedic Association Annual Meeting, Hilton Head, South Carolina, April 2015

Schwartz B, Moretti V, Goldstein W, Shah R. Total Knee Arthroplasty in Obesity: Perioperative Outcomes and National Trends, Poster Presentation, Annual AAOS Meeting, Las Vegas, NV, 2015

Schwartz B, Moretti V, Goldstein W, Shah R. Urinary Tract Infection After Total Knee Arthroplasty: A Retrospective Cohort Study, Poster Presentation, Annual AAOS Meeting, Las Vegas, NV, 2015

Pardi B, Schwartz B, Savin D, Rodriguez J, Goldstein J, Goldstein W, Shah R. Is Aspirin Enough? Rate of Asymptomatic and Symptomatic DVT and PE After Total Joint Arthroplasty, Poster Presentation, Annual AAOS Meeting, Orlando FL, 2016

Shah RR, Goldstein JM, Gordon AC, Jimenez ML, Cipparrone N, Goldstein WM. Alarming High Rate of Implant Fractures in One Modular Femoral Stem Design: a Comparison of Two Implants., Poster Presentation, #040 Poster, Annual AAOS Meeting, Orlando, FL, 2016

Schwartz B, McQueen P, Goldstein W, Chmell S. Total Knee Arthroplasty in the Younger Patient: National Trends and In-Hospital Outcomes, Podium Presentation, Mid America Orthopaedic Association Annual Meeting, Bonita Beach, FL, April 2016

Schwartz B, McQueen P, Savin D, Chmell S, Goldstein W. Distal Femoral Morphology: Does Ethnicity, Gender, or Body Size Play a Role, Podium Presentation, Mid America Orthopaedic Association Annual Meeting, Bonita Beach, FL, April 2016

Schwartz B, Schraut N, McQueen P, Goldstein W, Chmell S. National Trends of Blood Transfusion After Total Knee Arthroplasty, Poster Presentation, Mid America Orthopaedic Association Annual Meeting, Bonita Beach, FL, April 2016

Karam JA, Shah RR, Goldstein JM, Gordon AC, Jimenez ML, Goldstein WM. An Oldie but Goodie: Midterm Results of a Dual Offset Tapered Femoral Stem for Total Hip Arthroplasty, Poster Presentation, Annual AAHKS Meeting, Dallas, TX, 2016.

Karam JA, Pardi BM, Shah RR, Goldstein JM, Goldstein WM. The Disappearing Calf Clot: The Rate and Fate of Infra-popliteal DVT After Total Joint Arthroplasty, Poster Presentation, Annual AAOS Meeting, San Diego, CA, March, 2017.

Karam JA, Pardi BM, Shah RR, Goldstein JM, Goldstein WM. The Disappearing Calf Clot: The Rate and Fate of Infra-popliteal DVT After Total Joint Arthroplasty, Podium Presentation, Mid America Orthopedic Association Annual Meeting, Fernandina Beach, FL, April 2017.

Karam JA, Pardi BM, Shah RR, Goldstein JM, Goldstein WM. The Disappearing Calf Clot: The Rate and Fate of Infra-popliteal DVT After Total Joint Arthroplasty, Poster Presentation, AOA Annual Leadership Meeting, June 2017.

Karam JA, Livshetz IA, Shah RR, Goldstein JM, Goldstein WM. Simultaneous vs. Sequential Bilateral Hip Arthroplasty: Which One Restores Proper Hip Biomechanics? Poster Presentation, AOA Annual Leadership Meeting, June 2017.

Amirouche F, Solitro GF, Gonzalez M, Peresada D, Goldstein WM. The effect of patellar button placement on knee balance and bone loading during gait following total knee arthroplasty. Poster Presentation, ORS Annual Meeting, March 2018.

Parilla FW, Shah RR, Gordon AC, Mardjetko SM, Cipparrone NE, Goldstein WM, Goldstein JM. Does it Matter: Total Hip Arthroplasty or Lumbar Spinal Fusion First? Preoperative Sagittal Spinopelvic Measurements Guide Patient-Specific Surgical Strategies in Patients Requiring Both. Poster Presentation, AAHKS Annual Meeting, November, 2018.

Karam JA, Parekh AD, Amirouche F, Shah RR, Goldstein WM, Goldstein JM. Biomechanical Evaluation of New Synthetic Polyethylene Graft Augmentation for Extensor Mechanism Reconstruction in Total Knee Arthroplasty. Poster Presentation, AAOS Annual Meeting, March, 2019.

Parilla FW, Shah RR, Gordon AC, Mardjetko SM, Cipparrone NE, Goldstein WM, Goldstein JM. Does it Matter: Total Hip Arthroplasty or Lumbar Spinal Fusion First? Preoperative Sagittal Spinopelvic Measurements Guide Patient-Specific Surgical Strategies in Patients Requiring Both. Podium Presentation, MAOA Annual Meeting, April, 2019.

### **INVITED LECTURESHIPS**

Arthritis of the Knee and Hip – Practical Surgical Management for the 1990's, Orthopaedic Consideration for the Knee, Presented by the University of Louisville, Louisville, KY, Hilton Head, SC, May 1990.

One Stage vs. Two Stage Bilateral Total Knee Arthroplasty, Orthopaedic Consideration For the Knee, Presented by the University of Louisville, Louisville, KY, Hilton Head, SC, May 1990.

Arthroscopy in Patients Over 50 Years of Age, Orthopaedic Consideration for the Knee, Presented by the University of Louisville, Louisville, KY, Hilton Head, SC, May 1990.

Total Joint Replacement in the Obese Patient, Orthopaedic Consideration for Hip and Knee, Presented by the Portsmouth Naval Hospital and the Carolina Medical Center, Williamsburg, VA, May 1991.

Custom vs. Off the Shelf Total Hip Arthroplasty, Grand Rounds, Northwestern University, Chicago, IL, May 1991.

Dealing with Problems of the Hip and Knee, Presented by Duke University, Pinehurst, NC September, 1993.

Co-Chairman (with Ramon Gustilo M.D.), The Geneva Convention – First Annual Hip and Knee Symposium, Lake Geneva, WI, August 19-20, 1994.

Course Faculty Member, Cost Effectiveness of Total Joint Arthroplasty/Arthroscopy of the Degenerative Knee: Challenges in Hip and Knee Arthroplasty, Rancho Mirage, CA, October 20-23, 1994.

Course Faculty Member, Fifth Annual Hips and Knees in the Keys: Total Hip Arthroplasty and Cost Containment, Key Largo, FL, December 2-3, 1994.

Co-Chairman (with Ramon Gustilo, M.D.), Cost Effectiveness of Total Joint Arthroplasty/Prophylaxis of Thromboembolic Disease, The Geneva Convention – Second Annual Hip and Knee Symposium, Lake Geneva, WI, June 2-3, 1995.

Course Faculty Member, Cost Analysis of Total Knee and Hip Arthroplasty/Prophylaxis of Thromboembolic Disease, Seventh Annual Total Joint Replacement Symposium, Presented by Biomet, Stonehenge Golf Club in Warsaw, IN, August 3-4, 1995.

Faculty Course Member, Current Issues in Total Hip and Knee Arthroplasty/The Inset Patella, Sponsored by The University of Arizona Health Sciences Center and Johnson & Johnson Orthopaedics Loews Ventana Canyon Resort, Tucson, AZ, November 9-12, 1995.

Prevention of Thromboembolic Disease after Total Joint Arthroplasty, Illinois Orthopaedic Society, Chicago, IL, January 19, 1996.

Prevention of Thromboembolic Disease in Orthopaedics, Grand Rounds – University of Chicago Hospital, Chicago, IL, July 31, 1996.

Prevention of Thromboembolic Disease, Grand Rounds – Lutheran General Hospital, Department of Surgery, Park Ridge, IL, August 8, 1996.

Cost Analysis of Total Knee and Hip Arthroplasty Re-Engineering the Process of Care, Grand Rounds – New England Baptist Hospital, Boston, MA, April 17, 1996.

Practical Concepts Total Hip and Knee Revision Arthroplasty, Course Chairman, Sponsored by Northwestern University Medical School and Johnson & Johnson Professional, Marriott Lincolnshire Resort, Lincolnshire, IL, June 14-15, 1996.

Total Knee Arthroplasty – Revision Roundtable: Small Group Discussion, The Westin Mission Hills Resort, Rancho Mirage, CA, April 23-26, 1998.

Technique & Complication Management in Total Joint Arthroplasty, Westin Mission Hills Resort, Rancho Mirage, CA, April 23-26, 1998.

Cost Effective Process of Orthopaedic Care, Course Facility Member, Instructional Course Lecture, Annual AAOS Meeting, New Orleans, LA, March 1998.

Performing a Primary Total Knee Arthroplasty Expediently, Predictably and Cost Effectively, Panel Discussion, CME Sponsored by Education Design, Phoenix, AZ, November 1998.

Femoral Neck Fracture in the Elderly, Lecture, CME Sponsored by Smith & Nephew, Toronto, Canada, June 1998.

Porous-Coated Acetabular Components Screws vs. No Screws, CME Sponsored by Smith & Nephew, Toronto, Canada, June 1998.

Total Joint Replacement, Lecture to the Community, Park Ridge, IL, April 24, 1999.

The Tapered Stem-Rational for its Design, Evolution and Utilization, CME Sponsored by Smith & Nephew, Hip and Knees in Los Cabos, Mexico, June 12, 1999.

Stem Position in Revision Total Knee Arthroplasty, CME Sponsored by DePuy, Lincolnshire, IL, July 30-31, 1999.

Total Knee Arthroplasty Revision Design Meeting, Sponsored by DePuy, Lincolnshire, IL, July 31, 1999.

The Conquest Stem, Southwest Total Joint Meeting, Sponsored by Smith & Nephew, September 1999.

The Contracted Knee, Advanced Techniques in Knee, Hip and Shoulder Reconstruction CME Conference, Hilton Head, SC, September 1999.

Advances in Joint Replacement Surgery, Lecture to the Community, Park Ridge, IL, October 23, 1999.

Total Knee Arthroplasty with Bone Loss, Revision Hip and Knee Meeting, CME Conference, Rancho Mirage, CA, November 12, 1999.

Reimbursement and the Business of Total Joint Replacement, Symposium, AAHKS Meeting, Dallas, TX, November 13, 1999.

Advances in Joint Replacement Surgery, Lecture to the Community, Des Plaines, IL, May 6, 2000.

Clinical Experience with the Tapered Stem, Smith & Nephew Sales Force, Los Cabos, Mexico, June 2, 2000.

Implant Choice Constraint and Stems in Revision Total Knee Arthroplasty and Challenging Total Knees, CME Conference, Sponsored by DePuy, C'oeur D'Alene, ID, September 15-16, 2000.

Difficult Total Knee Arthroplasties, Moderator Panel Discussion, CME Conference, Sponsored by DePuy, C'oeur D'Alene, ID, September 15-16, 2000.

Tapered Stems and Echelon Femoral Revisions, CME Conference, Sponsored by Smith & Nephew, Kohler, WI, October 7, 2000.

Bone Grafting Meeting, Sponsored by DePuy, Chester, England, October, 2000.

Ten-Year Results of Dealing with Medicare Reimbursement for DRG-209: Results of the Final Strategy before Compromising Quality of Care, Illinois Association of Orthopaedic Surgeons Spring Meeting and Education Update, Champaign, IL, April 6, 2001.

Revision Total Knees with Severe Bone Loss, Illinois Association of Orthopaedic Surgeons, Spring Meeting and Education Update, Champaign, IL, April 6, 2001.

Cement Techniques and Recurrent Hip Dislocation and Optivac and Palacos in the Hip, CME Conference, Sponsored by Biomet, Palm Desert, CA, April 27-28, 2001.

PFC Knee Techniques and Followup Patient Care, Education and Hands-On Teaching to Surgeons in Beijing, Shanghai and Hangzhou, China, Sponsored by DePuy, June 16-19, 2001.

Ten-Year Results of Dealing with Medicare Reimbursement for DRG-209: Results of the Final Strategy before Compromising Quality of Care, Sales Training, Smith & Nephew, Inc., Los Cabos, Mexico, June 21, 2001.

Thirteenth Annual Total Joint Replacement Symposium, Bone Cement – Third Generation Cement Techniques, Sponsored by Biomet, Warsaw, IN, August 9-10, 2001.

Palacos Cement, Recurrent Dislocation of the Hip – Prevention and Treatment, Sponsored by Biomet, CME Conference, Olympia Fields, IL, September 7, 2001.

Cemented Synergy Hip Training Seminar, Sponsored by Smith & Nephew, Chicago, IL, October 27, 2001.

Preoperative Case review and Discussion, Total Knee Arthroplasty Primary-PFC Sigma RP, Total Knee Arthroplasty Revision-PFC Sigma, Sponsored by DePuy, CME Conference, Boston, MA, New England Baptist Learning Center, November 16, 2001.

Clinical Experience with the PFC RP Knee, DePuy National Sales Meeting, Tucson, AZ, January 11, 2002.

Synergy Experience/Minimal Incision Total Hip Arthroplasty, Smith & Nephew National Sales Meeting, Indian Wells, CA, January 17, 2002.

Minimal Incision Exposure in Total Hip Arthroplasty, Revision Total Knee Arthroplasty, Patient Selection for Mobile-Bearing Knees, Contemporary Techniques and Issues in Orthopaedics, Sponsored by DePuy, Whistler, British Columbia, Canada, March 7-9, 2002.

Fixed Bearing vs. Mobile bearing Total Knee Arthroplasty, Illinois Association of Orthopaedic Surgeons Spring Meeting and Education Update, Springfield, IL, April 12, 2002.

Rotating Platform Total Knee Arthroplasty, Minimal Incision Total Hip, Issues and Updates in Total Joint Arthroplasty, Sponsored by DePuy, Indianapolis, IN, May 10-11, 2002.

2002 Minimally Invasive Hip Arthroplasty, Sponsored by DePuy, Dallas, TX, June 21, 2002.

The Minimal Incision Approach to Hip Replacement Surgery, Femoral Revisions Using Extended Osteotomies and Extensively Coated Stems, Hips and Knees at The American Club, Sponsored by Smith & Nephew, July 12, 2002.

Advanced Hip Training, Sponsored by Smith & Nephew, Chicago, IL, August 2-3, 2002.

New Options for the Active Arthritic Knee Patient, Sponsored by DePuy, Olympia Fields, IL, September 27, 2002.

Advances in Orthopaedics Symposium, Minimally Invasive Hips, Sponsored by DePuy, Hilton Head, SC, October 4-5, 2002.

Minimal Incision Total Hip – Fact or Fiction? Mobile Bearing Knees, President's Address on Malpractice Insurance and Physician Reimbursement, 2002 IAOS Fall Scientific Meeting, Chicago, IL, October 19, 2002.

Arthritis Foundation Talk to the Community, November 9, 2002.

Minimal Incision Total Hip, Revision of Recurrent Dislocating Hips, Hips and Knees in the Keys, Course Chairman, Sponsored by Smith & Nephew, November 22, 2002.

The Minimally Invasive Total Hip (MITH), Physician Course, Sponsored by DePuy, Dallas, TX,



February 21, 2003.

Minimal Incision Total Hip Arthroplasty – The Chicago Perspective, Total Knee Arthroplasty in Young Patients, Physician Course, Sponsored by DePuy, Vail, CO, March 13-15, 2003.

Minimal Incision Total Hip Arthroplasty – Master Series Revision, Physician Course, for DePuy, Rosemont, IL, April 14, 2003.

Minimal Incision Total Hip Arthroplasty and Benefit of the PFC Sigma Knee, MB vs. FB, New England Baptist Learning Center, Physician Course, Sponsored by DePuy, Boston, MA, May 8-9, 2003.

Primary Total Hip Arthroplasty with a Tapered Titanium Stem, Medicare Reimbursement – The Good, The Bad and The Ugly, Physician Course, Smith & Nephew, Los Cabos, Mexico, June 5-7, 2003.

Orthopaedic Grand Rounds Speaker, Northwestern University School of Medicine, June 13, 2003.

Minimal Incision Total Hip Arthroplasty Physician Course, Sponsored by DePuy, Rosemont, IL, June 30-July 1, 2003.

Economic State of Orthopaedic Practice in 2003, Fifth Annual Chicago Trauma Symposium, Chicago, IL, August 8, 2003.

Minimal Incision Hip Surgery, Advanced Hip Training Program, Sponsored by Smith & Nephew, Chicago, IL, August 15, 2003.

“Digital Radiography in the Orthopaedic Practice” Presented at Fall IAOS Meeting, Chicago, IL, October 25, 2003.

Minimal Incision Total Hip Arthroplasty, Physician Course, Sponsored by DePuy, Rosemont, IL, October 28, 2003.

“Malpractice Blues” Presented at AAHKS Annual Meeting, Dallas, TX, November 1, 2003.

“Weight Loss and Joint Replacement” Presented to TOPS Organization, Chicago, IL, December 2003.

“Minimal Incision Total Hip Arthroplasty” and “Minimal Incision Total Knee Arthroplasty” Physician Course, Sponsored by DePuy, Whistler, Canada, February 12-14, 2004.

“Healthy Body and Healthy Mind” Informational Television Network for PBS, Television Program Participant, February 2004.

“Minimal Incision Total Hip Arthroplasty” Physician Course, 2004 Spring Symposium on Less and Minimally Invasive Surgery (L/MIS), Pittsburgh, PA, April 17, 2004.

Minimally Invasive Hip Replacement American Academy of Orthopaedic Surgeons Course Faculty, Debate with Richard Berger, M.D., Orthopaedic Learning Center, Rosemont, IL, May 7, 2004.

Arthritis Foundation Talk to the Community, “The Latest and Greatest News about Hip Replacements,” Chicago, IL, May 22, 2004.

“Synergy Stem Followup,” Cabo San Lucas Course, Smith & Nephew, June 3-5, 2004.

“Cruciate-Retaining TKR,” C. Ranawat Course, New York, NY, June 10-12, 2004.

Revision Total Knee Arthroplasty Course, Sponsored by DePuy, Rosemont, IL, June 29, 2004.

“Maximizing Performance in the High Demand Patient,” Course Chairman, Sponsored by DePuy, Chicago, IL, July 15-17, 2004.

“Current State of Orthopaedics,” Sixth Annual Chicago Trauma Symposium, August 11, 2004.

Hips and Knees in the Keys Meeting, Course Chairman, Sponsored by Smith & Nephew, Key Largo, FL, November 11-13, 2004.

Transforming Orthopaedics: Technology for Improved Surgical Outcomes, Course Chairman, Whistler, Canada, March 9-13, 2005.

“Total Hip Arthroplasty in Developmental Dysplasia” and “Leg-Length Inequality in Total Hip Arthroplasty” and “Revision Total Knee Arthroplasty – Save the Bone” and “Clinical Experience with Synergy Cementless Tapered Stem,” Sponsored by Smith & Nephew, Santa Barbara, CA, June 9-12, 2005.

Maximizing Performance in the High Demand Patient, “Cruciate Retaining RP Knees: The Results Speak for Themselves” and “Mobile Bearing Revision Total Knee Arthroplasty Benefit and Rationale” and “MITH – The Chicago Perspective” and “Why I Use the Modular Stem,” Sponsored by DePuy, Chicago, IL, July 21-23, 2005.

“Current State of Orthopaedics,” Seventh Annual Chicago Trauma Symposium, Chicago, IL, August 13, 2005.

“The Concept,” Worker’s Compensation Seminar, Chicago, IL, September 22, 2005.

“Controversies in Hip Replacement: Point/Counterpoint,” MON Membership Meeting, Rosemont, IL, October 11, 2005.

Cool Concepts in Hips & Knees Meeting, Course Chairman, “Leg-Length Inequality” and “Exposure Options in Total Hip Arthroplasty” and “Synergy Results,” Sponsored by Smith & Nephew, Charleston, SC, November 17-19, 2005.

Transforming Orthopaedics: Advances in Technology and Techniques, Physician CME Course, “Arthrofibrosis and Wound Care after Total Knee Arthroplasty” and “Cruciate-Saving Mobile-Bearing Total Knee Arthroplasty” and “Leg-Length Inequality” and “Hinged Total Knee Arthroplasty,” Sponsored by Pfiedler Enterprises, Vail, CO, February 9-12, 2006.

Advances in Total Joint Replacement: Indications, Techniques and Pearls, Physician CME Course, “Rotating Platform: My Indications and Review of Literature” and “High Flexion Total Knee Arthroplasty: Design Rationale and Early Results” and “Leg-Length Inequality” and “Managing Bone Deficiency,” Sponsored by DePuy, White Sulphur Springs, WV, May 4-6, 2006.

Contemporary Techniques in Revision Hip and Knee Arthroplasty, Physician CME Course, “The Posterior Hip Approach – MI or Not – Technique and Advantages?” and “How Do I Choose an Acetabular Component?” and “Gender Considerations When Sizing a Total Knee Arthroplasty” and “Why I Use A Mobile Bearing Total Knee Arthroplasty” and “Unstable Total Knee Arthroplasty: Etiology and Management” and “Extensor Mechanism Complications,” Sponsored by DePuy, Chicago, IL, July 27-29, 2006.

Eighth Annual Chicago Trauma Symposium, “Orthopaedic Economics – Our Current Situation,” Chicago, IL, July 28, 2006.

Goldstein W: Webcast to Sales Force: A Forum on Gender and Total Knee Arthroplasty: Science or Marketing? DePuy Orthopaedics, November 30, 2006.

Annual North American Hip & Knee Symposium, Physician CME Course, “Tapered Stems: When are they Indicated?” and “Modularity: When are they Indicated?” and “Revision of Femur with Bone Loss in Revision Total Knee Arthroplasty,” Moderator of Live Emporium Surgery, Copper Mountain, CO, Sponsored by Smith & Nephew, February 1-3, 2007.

Goldstein W: Webcast to Sales Force: A Forum on Gender and Total Hip Arthroplasty, DePuy Orthopaedics, February 8, 2007.

Transforming Orthopaedics: Improving Outcomes through Technology, Physician CME Course, “Digital Imaging in the Orthopaedic Office” and “Gender Issues in TKR: Fact or Fiction?” and “Moderator of Health Care Economics” and “Leg-Length Inequality” and “Mini Posterior Video Technique,” Sponsored by Pfiedler Enterprises, Park City, Utah, March 14-18, 2007.

Current Issues in Total Joint Replacement, Physician CME Course, “Cruciate Retaining RP Knees” and “Gender Knees – Marketing Hype or Legitimate?” and “Unstable Total Knee Arthroplasty Etiology and Management” and “Extensor Mechanism Complications” and “Moderator-Accelerating Recovery Hips” and “The Gender Hip,” Sponsored by DePuy,

Chicago, IL, July 20-21, 2007.

Ninth Annual Chicago Trauma Symposium, "Orthopaedic Economics – Where are we now?"  
Chicago, IL, July 28, 2007.

Innovative Technology for Joint Replacement Surgery, Physician CME Course, "Health Care Economics" and "Mobile-Bearing Knee – Rationale/Results" and "Gender Issues in Total Knee Arthroplasty," Sponsored by Pfiedler Enterprises, Napa Valley, CA, October 11-14, 2007.

American Osteopathic Academy of Orthopaedics, Forty-Eighth Annual Postgraduate Seminar, Presentation given on "Gender Specific Knees," April 4-6, 2008.

Tenth Annual Chicago Trauma Symposium, "How We Will Survive the Future," Chicago, IL, August 8, 2008.

"Formation of Illinois Bone and Joint Institute," Medical College of Wisconsin, October 30, 2008.

Emerging Technologies in Orthopaedics, "New Preparation of Patella in Total Knee Arthroplasty Improving Biomechanics and Function," University of Illinois at Chicago, November 14, 2008.

"Over-Utilization of MRI in the Osteoarthritis Patient," BlueCross and BlueShield of Illinois, Managed Care Roundtable, Chicago, IL, April 15, 2009.

Eleventh Annual Chicago Trauma Symposium, "Orthopaedic Economics-Now What?"  
Chicago, IL, July 31, 2009.

Twelveth Annual Chicago Trauma Symposium, "Orthopaedic Economics-The Game Changer,  
Chicago, IL, August 6, 2010.

17<sup>th</sup> North American Hip and Knee Symposium, "Moderator "Hot Topics in Hip Arthroplasty",  
"Do Femoral Necks Solve Anything?," Smith & Nephew Medical Education, Chicago, IL, August 12-14, 2010.

Osteobiologics Symposium, "Principles of Grafting Techniques in Hip and Knee Reconstruction," San Diego, CA, August 19-20, 2010.

AAOS Practice Forward: Managing your Practice Ahead of the Curve #3828, "Mergers-A Case Study," Chicago, IL, September 24-26, 2010.

"What the Future of Medicine holds with Obamacare," Learn About Ortho Series to nursing staff, Advocate Lutheran General Hospital, January, 2011.

Guest Panelist, Crain's Chicago Business Physician's Breakfast, The Mid-America Club, Chicago, IL, Wednesday May 11, 2011.

AAOS/ASSH General Orthopaedic Review Course #3466, "Hip Reconstruction and

Arthroplasty,” Chicago, IL, July 14, 2011.

Thirteenth Annual Chicago Trauma Symposium, “Flourishing in Uncertain Times,” Chicago, IL, August 26, 2011.

“Total Hip Replacement with Focus on the Female Patient,” Lutheran General Hospital Talk to the Community, March 13, 2012.

“Update on Topics in Orthopaedics for Nurses and Physical Therapists,” Lutheran General Hospital, March 14, 2012.

Fourteenth Annual Chicago Trauma Symposium, “The Orthopaedic Economic Landscape,” Chicago, IL, August 3, 2012.

Orthopaedic Resident Conference, Advocate Lutheran General Hospital, September 6, 2012.

Primary Care of Orthopaedics, Advocate Lutheran General Hospital, “Health Care Reform-What does it Mean for the Primary Care Provider?” CME Conference, Chicago, IL, September 22, 2012.

“Total Joint Updates,” UIC, Saturday Lecture to Orthopaedic Residents, October 13, 2012.

Update on Knee Replacement Implants, Talk to the Community, President’s Lecture, Advocate Lutheran General Hospital, February, 2013.

Fifteenth Annual Chicago Trauma Symposium, Keynote Speaker “An Integrated Orthopaedic Institute-What the Future Might Hold” Chicago, IL, August 3, 2013.

“Current Deep Vein Thrombosis (DVT) Prophylaxis in the Total Joint Arthroplasty Patient,” NAON, March 13, 2014, New Orleans, LA.

Sixteenth Annual Chicago Trauma Symposium, “Orthopaedic Surgery Private Practice-Embracing Change,” Chicago, IL, September 4, 2014.

## **RESEARCH**

Effect of Stress on Plasma Renin Levels in Dogs, Department of Physiology, University of Illinois, Champaign, IL, 1973-1974.

Abbott Laboratories Grant – Preliminary Investigation of Phosphonoacetic Acid (Anti-Herpes Virus Drug) Department of Infectious Disease, University of Illinois, Chicago, IL, 1975.

Effect of Active Motion on the Repair of the Medial Collateral Ligament in Rabbits – A Biomechanical and Histological Study, Department of Orthopaedics, University of Illinois, Chicago, IL, 1983.

A Comparison Between Arthrotomy and Irrigation and Multiple Aspirations in the Treatment of Pyogenic Arthritis – A Histological Study, Department of Orthopaedics, University of Illinois,

Chicago, IL, 1983.

The Effect of Systemic or Intra-Articular Steroids on the Preservation of Joint Hyalin Cartilage in Pyogenic Arthritis, Department of Orthopaedics, University of Illinois, Chicago, IL, 1983.

Opti-Fix Cementless Total Hip Study, IDE No. G860206, Primary Investigator, Richards Medical, Lutheran General Hospital, Park Ridge, IL, 1988-1993.

Press Fit Condylar Cementless Total Knee Study, IDE No. G860026, Primary Investigator, Johnson & Johnson, Lutheran General Hospital, Park Ridge, IL, 1988.

Geriatric Hip Prosthesis Geriatric Hip System, Smith and Nephew Richards, Lutheran General Hospital, Park Ridge, IL, 1990.

A Comparison of Transfusion Trigger Hemoglobins in Autologous and Homologous Blood Transfusions in Total Joint Arthroplasty Surgery, Primary Investigator, Lutheran General Hospital, Park Ridge, IL, 1990.

The Comparison of Patient Controlled Analgesia and Continuous Infusion of Epidural Fentanyl in the Management of Postoperative Total Knee Arthroplasty Pain, IRB No. 1001, Primary Investigator, Lutheran General Hospital, Park Ridge, IL, 1991.

Development of Tapered Total Hip System, with Smith & Nephew/Richards, Co-Research with Robert Bourne, M.D., Chief of Orthopaedic Surgery at University Hospital/London, Ontario, 1994.

Inset vs. Resurfacing Patella in Total Knee Arthroplasty, 1995.

Incidence of Carpal Tunnel Syndrome in Total Joint Replacement Patient, 1995.

Tarsal Tunnel Syndrome in Degenerative Flat Foot, 1995.

Incidence of Osteolysis in Cementless Hip Replacement Using 32 mm Femoral Heads, 1995.

Clinical and Cost Effectiveness of Recovery Room X-rays after Primary Total Joint Arthroplasty, Primary Investigator with Andrea Kramer, M.D., 1995.

Radiographic Evidence of Proximal Bone Deposition in a Tapered Titanium Plasma Sprayed Cementless Femoral Component, 1995.

Goldstein W, MacGregor L: Erythropoietin as a Replacement for Postoperative Blood Transfusion, Primary Investigator, 1996.

Goldstein W, Jimenez M: Safety of a Clinical Surveillance Protocol with Three and Six Week Warfarin Prophylaxis after Total Joint Arthroplasty in 1,678 Arthroplasties, 1996.

Goldstein W: Clinical Investigator, An Analysis of Blood Management in Patients Undergoing Total Hip and Knee Surgery, January 1999.

Goldstein W: Clinical Investigator, Outbound Pain Pump Used to Treat Postoperative Bilateral Total Knee Arthroplasty Pain, September 1999.

Giachetti R, Goldstein W, Gonzalez M, Amirouche F: Induced Stress in Total Knee Arthroplasty Resulting from Malrotation, Submitted to Orthopaedic Research Society, August 2000.

Goldstein W: Clinical Investigator, Development of Calcar-Stressing Tapered Hip Stem, Smith & Nephew, 2000-2001.

Goldstein W: Clinical Investigator, Incorporating an Oxidized Zirconium Femoral Prosthesis, Smith & Nephew, 2000-2003.

Robb, W-Primary Investigator, Goldstein W-Co-Investigator, Study for Communication between Surgeons and Patients 60 Years and Older, AAOS, May 2003.

Goldstein W: Clinical Investigator, Measuring Pressures during Minimal Incision Total Hip Arthroplasty Procedures, 2004-2005.

Goldstein W: Patient Priorities and Importance of Cosmesis after Total Hip Arthroplasty: Standard vs. Minimal Incision, 2005-2006.

Goldstein W: Retrospective/Prospective Evaluation of Revision Total Knee Arthroplasty using the P. F. C. Sigma™ Total Knee System, 2004.

Goldstein W: Retrospective/Prospective Multi-Center Evaluation of Seven to Eight Year Survival of the P. F. C. Sigma™ Total Knee System, 2004-2007.

Goldstein W: Smith & Nephew Oxinium Head (SNOH) Study, 2003- 2006.

Goldstein W, Raab D: A Post Market Study of the ABS OrthoGlide® Arthroplasty Device for Osteoarthritis of the Knee, March 2006- 2009.

Goldstein W: Implant Sizing in the Female Total Knee Arthroplasty, 2006-2008.

Goldstein W: Incidence of Patella Fracture after Total Knee Arthroplasty with Four Component Designs, 2005-2009.

Goldstein W: Evaluating Stress over the Anterior Knee with New Kneelprint Concept, 2006-2008.

Goldstein W: Peri-Prosthetic Fracture Rate in Total Hip Arthroplasty: A Comparison of Minimally

Invasive Posterior Approach vs. Standard Posterior Approach, 2007-2009.

Goldstein W: Zone 4 Cement Pressurization during Primary Total Knee Arthroplasty Using a Novel Device: A Randomized Controlled Study, 2006-2008.

Goldstein W: Comparison of Cement Mantle with Pressurized CO<sub>2</sub> Lavage vs. Pulsatile Saline Lavage, 2007-2008.

Goldstein W, Gordon A: Overutilization of MRI in the OA Patient, 2007- 2009.

Goldstein W: Improved Fixation with Locking Acetabular Shells and Threaded Screws, 2006-2009.

Goldstein W: Two to Five Year Outcomes and Survivorship of Sigma Rotating Platform Total Knee System, 2006-2011.

Goldstein W: Comparison of Cement Mantle with Pulsatile Lavage and Pressurized C02 Lavage vs. Pulsatile Saline Lavage Only, 2007-2008.

Goldstein W, Gordon A: Mobile Bearing Revision Total Knee Arthroplasty, 2007-2010.

Goldstein W: Patellofemoral Joint Reaction Forces of Total Knee Arthroplasty as Measured In-Vivo, 2006-2010.

Goldstein W, Gordon A: Long-Term, Non-Comparative Study to Evaluate Performance of Total Hip and Total Knee Primary and Revision Arthroplasty, January 2007-2009.

Goldstein W, Gordon A: Does Femoral Component Overhang and Under-Sizing Affect Postoperative Total Knee Arthroplasty Pain? 2007-2010.

Goldstein W: Incidence of Patella Fracture with Two Resection Techniques, 2008-2011.

Fabi D, Mohan V, Goldstein W: Risk Factors in Unilateral Versus Bilateral Total Knee Arthroplasty, 2009-2010.

Baydoun H, Goldstein W: BMI over 6 Years in Total Joint Patients, Comparison of Age vs. Complications, 2009-2011.

Youderian A, Goldstein J, Goldstein W: Incidence of Postoperative Hip Dislocation after THA with Various Head Sizes, 2009-2011.

Meyer G, Goldstein W: Evaluation of a New Tool to Determine Discharge Location after Primary Total Joint Replacement in Medicare Patients, 2009 to 2012.

Meininger A, Goldstein W: Total Knee Arthropasty in the Valgus Knee, Results of Correction



without Soft Tissue Releases at 10 years, 2009-2010.

Goldstein W, Gordon A: Total Joint Registry for Patients Having Hip or Knee Replacement or Revision Surgery, 2009 to present. (WIRB)

Goldstein W, Gordon A, Goldstein J, Pastor A, Ludwig I. Osteolysis Lateral to a Modular Femoral Stem with Metal vs. Polyethylene Articulation at 2 Years in Primary Total Hip Arthroplasty, 2010 to 2012.

Goldstein W, Gordon A, Paik R, George J. Retrospective Controlled Study to Assess the Clinical Impact of Patellar Cut Surgical Techniques in Primary Total Knee Arthroplasty, 2010 to 2011

Dalury D, Goldstein W. Risk of Spinout in 3,800 Rotating Platform Knees at Minimum of 5 Years, 2010 to 2011.

Brosnick D, Goldstein W. 1-14 Years Follow Up of Modular Femoral Stems in Primary Total Hip Arthroplasty, 2011- 2014. (UIC IRB)

Leg Length Discrepancy in Sequential Versus Staged Total Hip Arthroplasty, Simons M, Goldstein W., 2012 to present. (UIC IRB)

Goldstein W, Shah R. Comparative Hemodynamic Study, 2012 to 2013. (UIC IRB)

DePuy Orthopaedics, Inc. Outcomes of Knee Arthroplasty using a DePuy Primary Knee System Multi-site Study, 2012 to 2013. (WIRB)

Bohnenkamp F, Goldstein W. Is there Increased Risk of Radiolucency or Osteolysis of the Posterior Femoral Condyles in Highly Conforming RP vs. FB TKA?, 2011 to 2014 (UIC IRB)

Merz M, Goldstein W. Six Year Review of Safety and Efficacy of IVC Filters Placed Preoperatively in Joint Arthroplasty Patients at Risk for PE, 2012 to 2013. (UIC IRB)

Bohnenkamp F, Dalal A, Simayoun H, Goldstein W. Are Clinical or Radiographic Outcomes Different between Two Acrylic Bone Cements used in Primary TKA? 2012 to 2014. (UIC IRB)

## **RESEARCH SUPPORT**

Founder and Director	Lutheran General Hospital Orthopaedic Research and Education Fund	July 16, 1990
Founder and Director	Illinois Bone and Joint Foundation	December 12, 1999

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