

ANDREW D. PEARLE, MD

Hospital for Special Surgery
535 East 70th St.
New York, NY 10021
(212) 774-2878

APPOINTMENTS

HOSPITAL FOR SPECIAL SURGERY

Attending Orthopaedic Surgeon
Sports Medicine Service Executive Committee - Director of Basic Research

NEW YORK PRESBYTERIAN HOSPITAL

Attending Orthopaedic Surgeon
Academic Appointment: Associate Professor

NEW YORK METS

Associate Team Physician

HSS COMPUTER ASSISTED SURGERY CENTER

Clinical Director

EDUCATION

8/93-6/98 STANFORD UNIVERSITY SCHOOL OF MEDICINE

Doctor of Medicine

8/88-6/92 AMHERST COLLEGE

Bachelor of Arts, magna cum laude in American Studies

PROFESSIONAL TRAINING

HOSPITAL FOR SPECIAL SURGERY

Shoulder and Sports Medicine Fellow
Fellow Team Doctor, New York Football Giants

HOSPITAL FOR SPECIAL SURGERY

Orthopedic Surgery Residency

NEW YORK HOSPITAL, WEILL CORNELL CENTER

Surgical Internship

EDITORIAL BOARDS

EDITOR-IN-CHIEF

Techniques in Knee Surgery

ASSOCIATE EDITOR

Journal of Bone and Joint Surgery Sports Medicine Newsletter

ACADEMIC HONORS/AWARDS

2010 Aircast Award for Basic Science - American Orthopedic Society for Sports Medicine
2010 Cabaud Memorial Award - American Orthopedic Society for Sports Medicine
2010 Richard S. Laskin Research Award - Hospital for Special Surgery
2008 Symposium Chairman - NIH/AAOS Advanced Imaging and CAS Research Symposium
2004 Lewis Clark Wagner Award - Hospital for Special Surgery
2003 OREF New York Area Research Award - Orthopedic Research and Education Foundation
2003 Frankenthaler Fellowship in Restorative Mobility Award - Hospital for Special Surgery
2002 Distinguished Housestaff Award -- New York Hospital-Cornell Medical Center
1998 Dean's Award for Research - Stanford University School of Medicine
1997 Cardiology Research - Stanford University School of Medicine
1997 Student Research Award - Stanford University School of Medicine
1997 Travel Award - Stanford University School of Medicine
1996 Henry Neufeld Prize -- Israeli Heart Society

GRANTS/RESEARCH FUNDING

2008	Ken and Jill Iscol Fellowship in Orthopedic Research
2008	Helen Frankenthaler Fellowship Award
2007-2008	CAOS International Fellowship Award
2006-2007	CAOS International Fellowship Award
2005-2007	Empire Clinical Research Investigator Program Award
2004-2005	Zimmer OREF Career Development Award
2003-2005	Orthopaedic Research and Education Foundation Resident Research Grant
2002-2003	The Aircast Foundation Grant, Orthopaedic Medicine Research
2001-2003	BioCardia, Inc Research Grant
1997	Clinical Scholars Grant
1995	Traveling Scholars Grant

MEMBERSHIPS

2010-present	International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine
2009-present	American Orthopedic Society for Sports Medicine
2008-present	Reviewer for American Journal of Sports Medicine
2007-present	Arthroscopy Association of North America
2008-present	Reviewer for American Journal of Sports Medicine
2006-Present	Reviewer for Journal of Orthopedic Research
2006-Present	Reviewer for Clinical Orthopedics and Related Research
2006-Present	Reviewer for Orthopedics Journal
2005-Present	American Orthopedic Society for Sports Medicine
2004-Present	Reviewer for Arthroscopy
2004-present	Computer Assisted Orthopedic Surgery - International (CAOS-International)
2002-Present	Orthopedic Research Society
2002-Present	Editorial Board, Hospital for Special Surgery Orthopedic Website
2001-Present	Hospital for Special Surgery Education Committee
2000-Present	American Academy of Orthopaedic Surgeons

PUBLICATIONS

Citak M, Bosscher MR, Citak M, Musahl V, PEARLE AD, Suero EM. *Anterior cruciate ligament reconstruction after unicompartmental knee arthroplasty*. Knee Surg Sports Traumatol Arthrosc. 2011 Feb 23. [Epub ahead of print]

Maak TG, Bedi A, Raphael BS, Citak M, Suero E, Wickiewicz T, PEARLE AD. *Effect of Femoral Socket Position on Graft Impingement After Anterior Cruciate Ligament Reconstruction*. Am J Sports Med. 2011 Feb 18. [Epub ahead of print]

Kennedy A, Coughlin DG, Metzger MF, Tang R, PEARLE AD, Lotz JC, Feeley BT. *Biomechanical Evaluation of Pediatric Anterior Cruciate Ligament Reconstruction Techniques*. Am J Sports Med. 2011 Jan 21. [Epub ahead of print]

Koulalis D, Kendoff D, Citak M, O Loughlin PF, PEARLE AD. *Freehand versus navigated glenoid anchor positioning in anterior labral repair*. Knee Surg Sports Traumatol Arthrosc. 2011 Jan 11. [Epub ahead of print] PubMed PMID: 21222107.

Bedi A, Maak T, Musahl V, Citak M, O'Loughlin PF, Choi D, PEARLE AD. *Effect of tibial tunnel position on stability of the knee after anterior cruciate ligament reconstruction: is the tibial tunnel position most important?* Am J Sports Med. 2011 Feb;39(2):366-73.

Musahl V, Bedi A, Citak M, O'Loughlin P, Choi D, PEARLE AD. *Effect of single-bundle and double-bundle anterior cruciate ligament reconstructions on pivot-shift kinematics in anterior cruciate ligament- and meniscus-deficient knees*. Am J Sports Med. 2011 Feb;39(2):289-95.

Bedi A, Musahl V, Steuber V, Kendoff D, Choi D, Allen AA, PEARLE AD, Altchek DW. *Transtibial versus Anteromedial Portal Reaming in ACL Reconstruction: An Anatomic and Biomechanical Evaluation of Surgical Technique*. Arthroscopy 2010

Citak M, Suero EM, Rozell JC, Bosscher MR, Kuestermeyer J, PEARLE AD. *A mechanized and standardized pivot shifter: technical description and first evaluation*. KSSTA 2010

Koulalis D, O'Loughlin PF, Plaskos C, Kendoff D, Cross MB, PEARLE AD. *Sequential versus automated cutting guides in computer-assisted total knee arthroplasty*. Knee 2010

Bedi A, Musahl V, Lane C, Citak M, Warren RF, PEARLE AD. *Lateral compartment translation predicts the grade of pivot shift: a cadaveric and clinical analysis*. KSSTA 2010 Sept 18(9) 1269-76

Kendoff D, Citak M, Stuever V, Nelson L, PEARLE AD, Boettner F. *Feasibility of a navigated registration technique in FAI surgery*. Ach Orthop Trauma Surg 2010

Musahl V, Citak M, O'Loughlin PF, Choi D, Bedi A, PEARLE AD. *The effect of medial versus lateral meniscectomy on the stability of the ACL-deficient knee*. Am J Sports Med 2010 Aug 38(8) 1591-7

Bedi A, Musahl V, O'Loughlin P, Maak T, Citak M, Dixon P, PEARLE AD. *A comparison of central anatomic single-bundle ACL reconstruction and double-bundle ACL reconstruction on pivot shift kinematics*. Am J Sports Med 2010 Sept 38(9) 1788-94

Musahl V, Voos JE, O'Loughlin PF, Choi D, Stueber V, Kendoff D, PEARLE AD. *Comparing stability of different single and double bundle ACL reconstruction techniques: a cadaveric study using navigation*. Arthroscopy 2010 Sept 26 (9Suppl) S41-8

Feeley BT, Muller MS, Sherman S, Allen A, PEARLE AD. *Comparison of Posterolateral Corner Reconstructions Using Computer-Assisted Navigation*. Arthroscopy Aug 26(8): 1088-95

Voos JE, Musahl V, Maak TG, Wickiewicz TL, PEARLE AD. *Comparison of tunnel positions in single bundle ACL reconstructions using computer navigation*. KSSTA 2010 Sept; 18(9) 1282-9

Musahl V, Ayeni OR, Citak M, Irrgang JJ, PEARLE AD, Wickiewicz TL, *The influence of bony morphology on the magnitude of the pivot shift*. KSSTA 2010 Sept18(0) 1232-8

Kendoff D, Koulalis D, Citak M, Voos J, PEARLE AD. *Open wedge valgus tibial osteotomies: affecting the distinct ACL bundles*. KSSTA 2010

Musahl V, Voos J, O'Loughlin PF, Stueber V, Kendoff D, PEARLE AD. *Mechanized pivot shift test achieves greater accuracy than manual pivot shift test*. KSSTA 2010 Sept 18(9):1208-13

PEARLE AD, Citak M. *Sports Medicine: Navigation for anterior cruciate ligament surgery*. Current Orthopaedic Practice 2010; 21(1) 11-16.

Vandevenne J, PEARLE A, Lang P, Butts Pauly K, Bergman G. *Clinical feasibility of a magnetic resonance tracking system to guide the position of the scan plane during physiologic joint motion*. Radiol Med. 2009

Koulalis D, O'Loughlin PF, Plaskos C, Kendoff D, PEARLE AD. *Adjustable Cutting Blocks for Computer-Navigated Total Knee Arthroplasty A Cadaver Study*. J Arthroplasty. 2009 Aug;25(5):807-11

Feeley BT, Muller MS, Allen AA, Granchi CC, PEARLE AD. *Isometry of medial collateral ligament reconstruction*. Knee Surg Sports Traumatol Arthrosc. 2009 Sep;17(9):1078-82.

Robinson J, Stanford FC, Kendoff D, Stüber V, PEARLE AD. *Replication of the range of native anterior cruciate ligament fiber length change behavior achieved by different grafts: measurement using computer-assisted*

navigation. Am J Sports Med. 2009 Jul;37(7):1406-11.

PEARLE AD, Kendoff D, Stueber V, Musahl V, Repicci JA. *Perioperative management of unicompartmental knee arthroplasty using the MAKO robotic arm system (MAKOplasty)*. Am J Orthop. 2009 Feb;38(2 Suppl):16-9.

Roche M, O'Loughlin PF, Kendoff D, Musahl V, PEARLE AD. *Robotic arm-assisted unicompartmental knee arthroplasty: preoperative planning and surgical technique*. Am J Orthop. 2009 Feb;38(2 Suppl):10-5.

Brophy RH and PEARLE AD *Single-Bundle Anterior Cruciate Ligament Reconstruction: A Comparison of Conventional, Central, and Horizontal Single-Bundle Virtual Graft Positions*. Am J Sports Med 2009 37(7): 1317-23

O'Loughlin PF, PEARLE AD, Fyhrie DP, Long F. *On the Horizon From the ORS*. J Am Acad Orthop Surg. 2009 Apr;17(4):266-9.

Feeley BT, Muller MS, Allen AA, Granchi CC, PEARLE AD. *Biomechanical Comparison of Medial Collateral Ligament Reconstructions Using Computer-Assisted Navigation*. Am J Sports Med. 2009 37(6):1123-30

Mayman D, Plaskos C, Kendoff D, Wernecke G, PEARLE AD, Laskin R. *Ligament Tension in the ACL-deficient Knee: Assessment of Medial and Lateral Gaps*. Clin Orthop Relat Res. 2009 467(6):1621-8

PEARLE AD. *Directions for future research*. J Bone Joint Surg Am. 2009 Feb;91 Suppl 1:159-60.

PEARLE AD, Kendoff D, Musahl V, Warren RF. *The pivot-shift phenomenon during computer-assisted anterior cruciate ligament reconstruction*. J Bone Joint Surg Am. 2009 Feb;91 Suppl 1:115-8.

PEARLE AD, Goleski P, Musahl V, Kendoff D. *Reliability of image-free navigation to monitor lower-limb alignment*. J Bone Joint Surg Am. 2009 Feb;91 Suppl 1:90-4.

Van de Velde SK, PEARLE AD. *Section VI: Malalignment and ligamentous injury*. J Bone Joint Surg Am. 2009 Feb;91 Suppl 1:77.

PEARLE AD, Kendoff D, Musahl V. *Perspectives on computer-assisted orthopaedic surgery: movement toward quantitative orthopaedic surgery*. J Bone Joint Surg Am. 2009 Feb;91 Suppl 1:7-12.

Stubbs AJ, Gray ML, PEARLE AD. *Section I: Setting the stage*. J Bone Joint Surg Am. 2009 Feb;91 Suppl 1:3.

Gray ML, PEARLE AD. *Advanced imaging and computer-assisted surgery of the knee and hip. Introduction*. J Bone Joint Surg Am. 2009 Feb;91 Suppl 1:1-2.

Koulalis D, Di Benedetto P, Citak M, O'Loughlin P, PEARLE AD, Kendoff DO. *Comparative Study of Navigated Versus Freehand Osteochondral Graft Transplantation of the Knee*. Am J Sports Med. 2009 37(4):803-7.

O'Loughlin PF, Kendoff D, PEARLE AD, Kennedy JG. *Arthroscopic-assisted fluoroscopic navigation for retrograde drilling of a talar osteochondral lesion*. Foot Ankle Int. 2009 Jan;30(1):70-3.

Kendoff DO, Fragomen AT, PEARLE AD, Citak M, Rozbruch SR. *Computer Navigation and Fixator-Assisted Femoral Osteotomy for Correction of Malunion After Periprosthetic Femur Fracture*. J Arthroplasty. 2009 Jan 14.

Citak M, Kendoff D, PEARLE AD, O'Loughlin PF, Krettek C, Hüfner T, Citak M. *Navigated femoral anteversion measurements: general precision and registration options*. Arch Orthop Trauma Surg. 2009 129(5):671-7

Kendoff DO, Moreau-Gaudry A, Plaskos C, Granchi C, Sculco TP, PEARLE AD. *A Navigated 8-in-1 Femoral Cutting Guide for Total Knee Arthroplasty Technical Development and Cadaveric Evaluation*. J Arthroplasty. 2008 Dec 22.

- Kendoff D, Citak M, Voos J, PEARLE AD. *Surgical navigation in knee ligament reconstruction*. Clin Sports Med. 2009 Jan;28(1):41-50.
- Lane CG, Warren R, PEARLE AD. *The pivot shift*. J Am Acad Orthop Surg. 2008 Dec;16(12):679-88.
- PEARLE AD, O'Loughlin PF, Kendoff DO. *Robot-Assisted Unicompartmental Knee Arthroplasty*. J Arthroplasty. 2008 Dec 3.
- Citak M, Kendoff D, O'Loughlin PF, PEARLE AD. *Heterotopic ossification post navigated high tibial osteotomy*. Knee Surg Sports Traumatol Arthrosc. 2008 Nov 26.
- Stanford FC, Kendoff D, Warren RF, PEARLE AD. *Native Anterior Cruciate Ligament Obliquity Versus Anterior Cruciate Ligament Graft Obliquity: An Observational Study Using Navigated Measurements*. Am J Sports Med. 2008 Sep 24.
- Weil Y, PEARLE A, Liebergall M, Simanovsky N, Porat S, Moshieff R. *Computerized navigation for treatment of slipped femoral capital epiphysis*. HSS J. 2006 Sep;2(2):172-5.
- Brophy RH, Voos JE, Shannon FJ, Granchi CC, Wickiewicz TL, Warren RF, PEARLE AD. *Changes in the length of virtual anterior cruciate ligament fibers during stability testing: a comparison of conventional single-bundle reconstruction and native anterior cruciate ligament*. Am J Sports Med. 2008 Nov;36(11):2196-203.
- Adler RS, Fealy S, Rudzki JR, Kadrmas W, Verma NN, PEARLE A, Lyman S, Warren RF. *Rotator cuff in asymptomatic volunteers: contrast-enhanced US depiction of intratendinous and peritendinous vascularity*. Radiology. 2008 Sep;248(3):954-61.
- Goleski P, Warkentine B, Lo D, Gyuricza C, Kendoff D, PEARLE AD. *Reliability of navigated lower limb alignment in high tibial osteotomies*. Am J Sports Med. 2008 Nov;36(11):2179-86.
- Kendoff D, Lo D, Goleski P, Warkentine B, O' Loughlin PF, PEARLE AD. *Open wedge tibial osteotomies influence on axial rotation and tibial slope*. Knee Surg Sports Traumatol Arthrosc. 2008 Oct;16(10):904-10.
- PEARLE AD, Shannon FJ, Granchi C, Wickiewicz TL, Warren RF. *Comparison of 3-Dimensional Obliquity and Anisometric Characteristics of Anterior Cruciate Ligament Graft Positions Using Surgical Navigation*. Am J Sport Med 2008
- Weil YA, PEARLE AD, Palladas L, Liebergall M, Mosheiff R. *Long-term functional outcome of penetrating sciatic nerve injury*. J Trauma 2008 Mar 64(3) 790-5
- Lane CG, Warren RF, Stanford FC, Kendoff D, PEARLE AD. *In vivo analysis of the pivot shift phenomenon during computer navigated ACL reconstruction*. Knee Surg Sports Traumatol Arthrosc. 2008 March 1
- Rudzki JR, Adler RS, Warren RF, Kadrmas WR, Verma N, PEARLE AD, Lyman S, Fealy S. *Contrast-enhanced ultrasound characterization of the vascularity of the rotator cuff tendon: age- and activity-related changes in the intact asymptomatic rotator cuff*. J Shoulder Elbow Surg 2008 Jan-Feb 17(1 Suppl): 96S-100S
- Weil YA, Liebergall M, Mosheiff R, Helfet DL, PEARLE AD. *Long bone fracture reduction using a fluoroscopy-based navigation system: A feasibility and accuracy study*. Comput Aided Surg. 2007 12(5):295-302.
- Shindle MK, Wanich T, PEARLE AD, Warren RF. *Atraumatic scapular fractures in the setting of chronic rotator cuff tear arthropathy: A report of 2 cases*. J Shoulder Elbow Surg. 2007 Oct 10
- PEARLE AD, Voos JE, Kelly BT, Chehab EL, Warren RF. *Surgical technique and anatomic study of latissimus dorsi and teres major transfers. Surgical technique*. J Bone Joint Surg Am. 2007 Sep;89 Suppl 2 Pt.2:284-96.
- Kendoff D, PEARLE A, Hufner T, Citak M, Gosling T, Krettek C. *First clinical results and consequences of intraoperative three-dimensional imaging at tibial plateau fractures*. J Trauma. 2007 Jul;63(1):239-44.

- Citak M, Kendoff D, Wanich T, PEARLE A, Wubben H, Krettek C, Hufner T. *Percutaneous bone biopsy. A new application for 3D navigation: a pilot study.* Technol Health Care. 2007;15(4):231-6.
- Weil YA, Gardner MJ, Helfet DL, PEARLE AD. *Computer Navigation Allows for Accurate Reduction of Femoral Fractures.* Clin Orthop Relat Res. 2007 Jul;460:185-191.
- Kendoff D, Meller R, Citak M, PEARLE A, Marquardt S, Krettek C, Hufner T. *Navigation in ACL reconstruction - comparison with conventional measurement tools.* Technol Health Care. 2007;15(3):221-30.
- Voos JE, PEARLE AD, Mattern CJ, Cordasco FA, Allen AA, Warren RF. *Outcomes of combined arthroscopic rotator cuff and labral repair.* Am J Sports Med. 2007 Jul;35(7):1174-9.
- PEARLE AD, Solomon DJ, Wanich T, Moreau-Gaudry A, Granchi CC, Wickiewicz TL, Warren RF. *Reliability of navigated knee stability examination: a cadaveric evaluation.* Am J Sports Med. 2007 Aug;35(8):1315-20
- Citak M, Kendoff D, Kfuri M Jr, PEARLE A, Krettek C, Hufner T. *Accuracy analysis of Iso-C3D versus fluoroscopy-based navigated retrograde drilling of osteochondral lesions: a pilot study.* J Bone Joint Surg Br. 2007 Mar;89(3):323-6.
- PEARLE AD, Crow MK, Rakshit DS, Wohlgemuth J, Nestor BJ. *Distinct inflammatory gene pathways induced by particles.* Clin Orthop Relat Res. 2007 May;458:194-201.
- Kendoff D, Citak M, PEARLE A, Gardner MJ, Hankemeier S, Krettek C, Hufner T. *Influence of lower limb rotation in navigated alignment analysis: implications for high tibial osteotomies.* Knee Surgery, Sports Traumatology, Arthroscopy 2007
- PEARLE AD, Scanzello CR, George S, Mandl LA, DiCarlo EF, Peterson M, Crow MK, Sculco TP. *Elevated High Sensitivity C-Reactive Protein Levels are Associated with Local Inflammatory Findings in Patients with Osteoarthritis* Osteoarthritis and Cartilage 2006
- Citak M, Kendoff D, Wanich T, PEARLE AD, Singhai R, Krettek C, Hufner T. *The influence of distance on registration in ISO C 3D Navigation: a source of error in ISO-C 3D Navigation* Technol Health Care 2006;14(6) 473-8
- Chehab EL, PEARLE AD, Cordasco FA. *Exposed shoulder hemiarthroplasty as a result of anterosuperior escape: a case report.* J Shoul Elbow Surg 2006 15(6):27-30
- PEARLE AD, Kelly BT, Voos, JE, Chehab E, Warren RF. *Surgical technique and anatomic study of latissimus dorsi and teres major transfers.* J Bone Joint Surg Am 2006; 88(7): 1524-31
- Kendoff D, Hufner T, Citak M, Maier C, Wesemeier F, PEARLE A, Krettek C. *A new parallel drill guide for navigating femoral neck screw placement: Development and evaluation.* Unfallchirurg. 2006 109(10): 875-880
- Kelly BT, Potter HG, Deng X, PEARLE AD, Turner AS, Warren RF, Rodeo SA. *Meniscal allograft transplantation in the Sheep Knee: Evaluation of Chondroprotective Effects* Am J Sports Med 2006; 1-14
- Weil Y, PEARLE AD, Liebergall M, Simanovsky N, Porat S, Moshieff R. *Computerized Navigation for treatment of Slipped Femoral Capital Epiphysis - Technical Note.* HSS Journal 2006
- Gardner MJ, Suk M, PEARLE AD, Buly RL, Helfet DL, Lorich DG. *Surgical dislocation of the hip for fractures of the femoral head.* J Orthop Trauma 2005;19(5):334-42.
- PEARLE AD, Warren RF, Rodeo SA. *Basic Science of Articular Cartilage and OA.* Clinics in Sports Medicine 2005;24(1):1-12.

PEARLE AD, Bates JE, Tolo ET, and Windsor RE. *Clostridium infection in a knee extensor mechanism allograft: case report and review*. The Knee 2003; 10: 149-153.

PEARLE AD and Sculco TP. *Technique for fabrication of an antibiotic loaded cement hemiarthroplasty (ANTILOCH) component in infected total hip arthroplasty*. Am J Orthop 2002; 31(7): 425-7.

Zawadsky MW, PEARLE AD, and Sculco TP. *Three techniques for the fabrication of cement spacers in the treatment of an infected total hip arthroplasty*. Techniques in Orthop 2002; 16(3): 330-335.

PEARLE AD, Daniel BL, Bergman AG, Beaulieu CF, Lang P, Dumoulin CL, Darrow RD, Norbash AM, Napper CL, Hurtak W, Butts K. *Joint motion in an open MR unit using MR tracking*. J Magn Reson Imaging. 1999 Jul;10(1):8-14.

Banai S, Wolf Y, Golomb G, PEARLE AD, Waltenberger J, Perez L, Schneider A, Huber R, Levitzki A, Gertz SD. *PDGF-receptor tyrosine kinase blocker AG1295 selectively attenuates smooth muscle cell growth in vitro and reduces neointimal formation after balloon angioplasty in swine*. Circulation 1998;97:1960-1969

Lawn RM, PEARLE AD, Kunz LL, Rubin EM, Reckless J, Metcalfe JC, Grainger DJ. *Feedback mechanism of focal vascular lesion formation in transgenic apolipoprotein(a) mice*. J Biol Chem 1996;271:31367-71

SELECTED PRESENTATIONS

Petrigliano F, PEARLE AD *The effect of Meniscal Loss on Knee Stability after Single Bundle ACL Reconstructions: a Cadaveric Experiment* AOSSM Annual Meeting Providence, RI July 2010

Musahl V, PEARLE AD *A comparison of Single and Double Bundle ACL Reconstructions on Pivot Shift Kinematics in ACL and Meniscus Deficient Knees* AOSSM Annual Meeting Providence, RI July 2010

Musahl V, PEARLE AD *Medial vs Lateral Meniscectomy and Knee Stability in the ACL Deficient Knee* AOSSM Specialty Day New Orleans, LA March 2010

Voos J, PEARLE AD *Comparison of Single vs Double Bundle ACL reconstruction on Navigated Knee Stability Exam* AAOS Annual Meeting New Orleans, LA March 2010

PEARLE AD *Effect of Medial vs Lateral Meniscectomy on the Stability of the ACL Deficient Knee* ACL Study Group Phuket, Thailand February 2010

PEARLE AD *How Navigation Has Changed My Practice* HSS Alumni Day November 2009

PEARLE AD *Robotic Assisted Unicdylar Knee Replacement* AOA Annual Meeting Boston October 2009

PEARLE AD *Navigation for Fracture Fixation: the Current Status* 19th Annual Baltimore Limb Deformity Course September 2009

PEARLE AD *Navigation for Osteotomies*. 19th Annual Baltimore Limb Deformity Course September 2009

PEARLE AD *Perspectives on Computer Assisted Surgery for Foot and Ankle* AOFAS Annual Meeting Vancouver July 2009-10-28

PEARLE AD *Robotic Unicdylar Knee Replacement* Israel CAOS Tel Aviv, Israel March 2009

PEARLE AD *Perspectives on Computer Assisted Surgery for Trauma*. OTA Specialty Day Las Vegas March 2009

PEARLE AD *Hot Topics in Knee Arthroplasty: Computer Navigation and Robotics*. HSS Holiday Course December 2008

PEARLE AD *Computer Assisted and Robotic Surgery in Orthopedics: Where are we going?* HSS Grand Rounds

October 2008

PEARLE AD *Minimally invasive robot assisted unicompartmental knee arthroplasty* CAOS-International Hong Kong June 2008

PEARLE AD *Reliability of Image- Free Navigation to Monitor Lower Limb Alignment* NIH/AAOS Advanced Imaging and Computer Assisted Surgery Research Symposium Providence RI May 2008

PEARLE AD. *Perspectives on Computer Assisted Orthopedic Surgery* NIH/AAOS Advanced Imaging and Computer Assisted Surgery Research Symposium Providence RI May 2008

PEARLE AD *In Vivo Analysis of the Pivot Shift Phenomena During Computer Navigated ACL Reconstruction.* ACL Study Group, Engelberg, Switzerland March 2008

PEARLE AD *Perspectives on Computer Assisted Orthopedic Surgery* Hospital for Special Surgery Alumni Day November 2007

PEARLE AD *Robotic Assisted Unicdylar Knee Replacement* 9th Efort Congress Bern Switzerland June 2008

PEARLE AD, Sculco TP, Granchi C, Thau G, Plaskos C. *Navigated Universal Knee Instrument (UKI): A fast and precise method for making all femoral cuts in Total Knee Arthroplasty.* ISTA, New York, October 2006 (Podium Presentation)

Buly R, Kelly B, PEARLE AD, Granchi C, Plaskos C. *Morphing based navigation system for femoroacetabular impingement syndrome* ISTA, New York, October 2006 (Podium Presentation)

PEARLE AD, Shannon F, Domb B, Granchi C, Warren R. *Navigated knee stability examination during ACL reconstruction.* CAOS-International Montreal June 2006 (Poster Presentation)

PEARLE AD, Solomon D, Lenhoff M, Granchi C, Wickiewicz T, Warren R. *Accuracy of navigated knee stability examination: a cadaveric evaluation* CAOS-International Montreal June 2006 (Poster Presentation)

Weil YA, Liebergall M, Mosheiff R, Helfet DL, PEARLE AD *Long bone fracture reduction using fluoroscopic based navigation - a feasibility and accuracy study* CAOS-International Montreal June 2006 (Podium Presentation)

Weil YA, Liebergall M, Mosheiff R, Helfet DL, PEARLE AD *Long bone fracture reduction using fluoroscopic based navigation - a feasibility and accuracy study* OTA 2006 (Podium presentation)

Scanzello CR, PEARLE AD, and Crow MK. *Pro-inflammatory Cytokine Transcript Levels are Associated with CD3 α Expression in the Osteoarthritic Synovial Membrane* OARSI 2006

Kendoff D, PEARLE A, Hüfner T, Citak M, Gösling T, Krettek C (2006) Clinical results of intraoperative 3-D imaging of tibial plateau fractures CAOS UK 2006, British Society for Computer Aided Orthopedic Surgery 10-11th Feb. 2006

Solomon DJ, PEARLE AD, Lenhoff M, Granchi C, Wickiewicz T L, Warren R F. *In Situ Force in the Anterior Cruciate Ligament and Knee Kinematics in the Partially and Completely Posterolateral Corner Deficient Knee* ORS (Podium Presentation)

Solomon DJ, PEARLE AD, Lenhoff M, Granchi C, Wickiewicz T L, Warren R F. *In Situ Force in the Anterior Cruciate Ligament and Knee Kinematics in the Partially and Completely Posterolateral Corner Deficient Knee* AANA(Podium Presentation)

Solomon DJ, PEARLE AD, Lenhoff M, Granchi C, Wickiewicz T L, Warren R F. *Evaluation of Coupled Knee Motions and Force in the Anterior Cruciate Ligament with Varus Loading in Posterolateral Corner Deficient Knees* MIS meets CAOS, San Diego, October 2005 (Podium Presentation)

PEARLE AD, Leroy A, Granchi C, Plaskos C, White P, Lavallee S. *Adjustable Constraints - A Novel Method for Positioning 8-in-1 Cutting Guides in Computer Assisted Orthopaedic Surgery*. 5th Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery, Helsinki, Finland June 2005 (Poster Presentation)

Kelly BT, Potter HG, Deng X, PEARLE AD, Turner AS, Warren RF, Rodeo SA. *T2 Mapping of Cartilage Degeneration in an Ovine Post-Menisectomy Model*. The 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC, February 2005 (Oral Presentation)

Kelly BT, Potter HG, Deng X, PEARLE AD, Turner AS, Warren RF, Rodeo SA. *Meniscal Allograft Transplantation in the Sheep Knee: Evaluation of Chondroprotective Effects*. The 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC, February 2005 (Oral Presentation)

PEARLE AD, Scanzello CR, DiCarlo EF, Crow MK, Sculco TP. *CRP levels in Osteoarthritis are Associated with Local Inflammation*. 51th Annual Meeting of the Orthopaedic Research Society, Washington, DC, February 2005 (Poster Presentation)

PEARLE AD, Scanzello CR, DiCarlo EF, Crow MK, Sculco TP. *Low grade systemic inflammation is associated with the presence of synovial membrane inflammatory infiltrates in osteoarthritis*. OREF Resident Research Symposium, New York, NY 2003 (Oral Presentation)

PEARLE AD, Scanzello CR, DiCarlo EF, Ghelman B, Crow MK, Sculco TP. *Elevated plasma CRP levels in osteoarthritis are associated with infiltrating synovial T-lymphocytes*. 49th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, February 2003 (Oral Presentation)

Kelly BT, Potter HG, PEARLE AD, Nofsinger CC, Deng X, Kraus VB, Trumble TN, Billingham RC, Turner AS, Warren RF, Rodeo SA. *Biochemical, biomechanical, histologic, and radiographic indices of arthritis in an ovine post-menisectomy model*. 49th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, February 2003 (Oral Presentation)

PEARLE AD, Scanzello CR, Wohlgemuth J, Chan A, Woodward R, Sculco TP, Crow MK, Rakshit DS, Nestor BJ. *Expression patterns of inflammatory cytokines and chemokines by mononuclear cells in response to polymethylmethacrylate*. 49th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, February 2003 (Poster Presentation)

PEARLE AD, Scanzello CR, Wohlgemuth J, Chan A, Ly N, Sculco TP, Crow MK, Rakshit DS, Nestor BJ. *DNA microarray analysis of inflammatory pathway activation in mononuclear cells stimulated by particles*. 49th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, February 2003 (Poster Presentation)

PEARLE AD, Scanzello CR, Sculco TP, DiCarlo EF, Crow MK. *The presence of chronic synovial inflammatory infiltrates may distinguish subtypes of osteoarthritis*. American College of Rheumatology 66th Annual Scientific Meeting, New Orleans, LA, October 2002 (Oral Presentation)

Scanzello CR, PEARLE AD, DiCarlo EF, Ghelman B, Sculco TP, Crow MK. *Elevated plasma CRP levels in osteoarthritis (OA) are associated with infiltrating synovial T-lymphocytes as well as increased pain and disability*. American College of Rheumatology 66th Annual Scientific Meeting, New Orleans, LA, October 2002 (Poster Presentation)

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