

Curriculum Vitae
C. Anderson Engh, Jr., M.D.

Present Position:

1990 - Present	Orthopaedic Surgeon The Anderson Clinic, Inc. Arlington, Virginia
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Address

The Anderson Clinic, Inc.
Anderson Orthopaedic Research Institute
2501 Parker's Lane, Suite 200
Alexandria, Virginia 22306

Education

1977 - 1981	B.S. Davidson College Davidson, North Carolina
1981 - 1985	M.D. University of Virginia Charlottesville, Virginia
1985 - 1986	Internship, General Surgery Medical College of Virginia Richmond, Virginia
1986 - 1990	Residency, Orthopaedic Surgery Medical College of Virginia Richmond, Virginia

Certification and Licensure

1994	Fellow	American Academy of Orthopaedic Surgeons
1992	Certified	American Board of Orthopaedic Surgery
2001 and 2012	Recertified	American Board of Orthopaedic Surgery

Current Hospital Appointments

1990	Mount Vernon Hospital Alexandria, Virginia
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Current Medical Memberships

1997	American Association of Hip and Knee Surgeons
2001	American Orthopaedic Association
2004	Society of Arthritic Joint Surgeons
2006	The Hip Society
2014	The Knee Society

Professional Contributions

Consultant Reviewer Journal of Bone and Joint Surgery
American Edition

Director Anderson Postgraduate Medical Education Foundation

Trustee Anderson Orthopaedic Research Institute

AAHKS at Large Board Member AAHKS 2010-2012

AAHKS Fellowship Match Committee 2012-Present

BOS Education Committee 2013-Present

AAOS Annual Meeting Committee BOS Representative-2014-Present

Academic Awards

Lawrence D. Dorr, MD Award for A Randomized, Prospective Evaluation of Outcome after Total Hip Arthroplasty using Crosslinked Marathon and Non-Crosslinked Enduron Polyethylene. Presented November 5, 2005 AAHKS Meeting, Dallas, TX.

John Charnley Award for A Comparison of Three Total Hip Arthroplasty Bearing Surfaces: A Randomized Trial. Presented at Open Meeting of the Hip Society March 8, 2008, San Francisco, CA.

AAHKS Clinical Award for Coauthor of Prospective Randomized Comparison of High Flex and Standard Rotating TKA. Presented November 6, 2010 AAHKS Meeting Dallas, TX.

James A. Rand Award for Coauthor of Do Patients Return to Work Following Hip Arthroplasty Surgery? Presented November 6, 2010 AAHKS Meeting Dallas, TX.

OREF CCJR Clinical Award Paper for Coauthor of Return to Sexual Function After Total Hip Arthroplasty. Presented May 22, 2011, Las Vegas, NV.

Lawrence D. Dorr, MD Award for A Prospective, Randomized Study of Crosslinked and Non-Crosslinked Polyethylene for Total Hip Arthroplasty at 10-Year Follow-up. Presented November 5, 2011 AAHKS Meeting, Dallas, TX.

Lawrence D. Dorr, MD Award for Do You Have to Remove a Corroded Femoral Stem? Presented November 9, 2013 AAHKS Meeting, Dallas, TX

Publications:

Moskal, JT, Capps, SG, Engh Jr, CA, Troelsen, A. Clinical Faceoff: Where Are We Going With Femoral Stem Fixation in THA? Epub Mar. 2016, DOI 10.1007/s11999-016-4799-y

Engh Jr, CA. CORR Insights: Is There a Benefit to Modularity in ‘Simpler’ Femoral Revisions? Clin Orthop Relat Res. Vol.474(2), pp.421-422, Feb. 2016. DOI 10.1007/s11999-015-4524-2

Engh Jr, CA, Sritulanondha, S, Korczak, A, RN, Whalen, TD, Naudie, D, McCalden, RW, MacDonald, SJ. No Difference in Reoperations at 2 Years Between Ceramic-on-metal and Metal-on-metal THA: A Randomized Trial. Clin Orthop Relat Res. Vol. 474(2), pp. 447-455, Feb. 2016. DOI 10.1007/s11999-015-4424-5.

Goodman, G, Engh Jr, CA. The Custom Triflange Cup: Build it and They Will Come. Bone Joint J 98-B(1 Suppl A):68–72, Jan. 2016.

Goodman, G, Engh Jr, CA., Goyal, N. Revision total hip arthroplasty exposure considerations: Which way in? Seminars in Arthroplasty, Vol.26, No.3, 2015, pp. 150-155.

- Engh Jr,CA ,Extensively Coated Stems; The Hip Master Techniques in Orthopaedic Surgery, Third Edition, Published October 2015, Chapter 15; 203-213, Editors Morrey, BF, Berry DJ, Maloney WJ
- Lupo,C, Engh Jr,CA, Goyal,N. Radiographic Evaluation (Signs of Osseointegration). Chapter 96, The Hip Preservation, Replacement, and Revision. Cashman,Goyal, Parvizi, Data Trace Publishing, 2015.
- Nam,D, Nunley,RM, Ruh,EL, Engh Jr,CA, Rogerson,JS, Brooks,PJ, Raterman,SJ, Su,EP, Barrack,RL. Short-term Results of Birmingham Hip Resurfacing in the United States. Orthopaedics, Vol.38(8), 2015, pp.e715-21.
- Phonthakorn, P, Fricka,KB, Hopper Jr,RH, Engh Jr, CA. Greater Trochanteric Fragmentation After Failed Metal-on-Metal Hip Arthroplasty. Orthopedics 38(5):e447-51, April 2015, DOI: 10.3928/01477447-20150504-93
- Callaghan,JJ, Engh Jr,CA, Fehring,TK, Garvin,KL, Lachiewicz,PF, Mabry,TM, MacDonald,SJ, Martin,JR, Trousdale,RT, Berry,DJ. How Do I Get Out of This Jam? Common Intraoperative Problems in Primary Total Hip Arthroplasty. AAOS Instructional Course Lectures, Chapter 25, Vol.64, 2015, pp.307-325
- Engh Jr,CA, Ho,H, Padgett,DE. The Surgical Options and Clinical Evidence for Treatment of Wear or Corrosion Occuring With THA or TKA. Clin Orthop Relat Res. 472 (12) 2014, pp.3674-3686.
- Goyal,N, Ho,H, Fricka,KB, Engh Jr,CA. Do You Have to Remove a Corroded Stem? J. Arthroplasty, vol. 29(Suppl. 2), September 2014, pp.139-142.
- Su,EP, Housman,LR, Masonis,JL, Noble,JW, Engh Jr,CA. Five Year Results of the First US FDA-Approved Hip Resurfacing Device. J. Arthroplasty, vol. 29(8), August 2014, pp.1571-75.
- Engh Jr,CA, MacDonald,SJ, Sritulanondha,S, Korczak,A, Naudie,D, Engh,CA. Metal Ion Levels After Metal-on-Metal Total Hip Arthroplasty: A Prospective Randomized Trial. JBJS 96-A, No.6, March 19, 2014, pp.448-455.
- Uggen,JC, Engh Jr,CA, Getting Out the Well Fixed Knee: All Hands on Deck. Seminars in Arthroplasty, Vol.24,No.3, Sept.2013, pp. 160-66.
- Barrack,RL, Ruh,EL, Berend,ME, DellaValle,CJ, Engh Jr,CA, Parvizi,J, Clohisy,JC, Nunley,RM. Do Young, Active Patients Perceive Advantages After Surface Replacement Compared to Cementless Total Hip Arthroplasty. Clin Orthop Relat Res 471(12), Dec. 2013, pp. 3803-3813.
- Engh CA Jr, Collier MB, Hopper RH Jr, Hatten K, Engh GA, Radiographically Measured Knee Wear is Constant and Predicts Failure. J Arthroplasty 2013, Vol.28, pp.1338-1344.

Engh CA Jr, Sychterz-Terefenko C, Engh CA. Uncemented Extensively Porous-Coated Femoral Components, Hip Surgery, Primary Hip Arthroplasty pp 837-847, Berry and Lieberman, Elsevier, Philadelphia, PA 2009, Published 2013.

Goyal N, Engh CA Jr Cementless Femoral Stems: Is There an Optimum? Seminars in Arthroplasty Vol.24, Issue 2, June 2013, p.61-67.

Siram G, Goyal N, Engh CA Jr. The Evaluation and Management of Periacetabular Osteolysis. Seminars in Arthroplasty Vol.24, Issue 2, June 2013, p.99-105.

Engh CA Jr, Zimmerman RL, Hopper RH Jr, Engh GA. Can Microcomputed Tomography Measure Retrieved Polyethylene Wear? Comparing Fixed-Bearing and Rotating-Platform Knees. Clin Orthop Relat Res 471(1), Jan. 2013, pp. 86-93.

Engh CA Jr, Hopper RH Jr, Huynh C, Ho H, Sritulanondha S, Engh CA. Prospective, Randomized Study of Crosslinked and Non-crosslinked Polyethylene for Total Hip Arthroplasty at 10-Year Follow-up. J Arthroplasty 2012 vol. 27 (8 Suppl) pp. 2-7.

Fricka KB, Ho H, Peace W, Engh CA Jr. Metal on Metal Local Tissue Reaction is Associated with Corrosion of the Head Taper Junction. J Arthroplasty 2012 vol. 27 (8 Suppl) pp. 26-31.

Engh CA Jr, Parks NL, Engh GA. Polyethylene quality affects revision knee liner exchange survivorship. Clin Orthop Relat Res (2012) 470(1):193-198.

Engh CA, Powers CC, Ho H, Beykirch SE, Hopper RH Jr, Engh CA Jr. The Effect of Poly Sterilization on Wear, Osteolysis and Survivorship of a Press-fit Cup at 10-Year Followup. Clin Orthop Relat Res (2011) 470:462-470.

Nunley RM, Ruh EL, Zhang Q, DellaValle CJ, Engh CA Jr, Berend ME, Parvizi J, Clohisy JC, Barrack RL. Do Patients Return to Work After Hip Arthroplasty Surgery. J Arthroplasty, Sept. 2011, Vol.26, No.6, Suppl. 1, pp. 92-98.

Hamilton WG, Sritulanondha S, Engh CA Jr. Prospective Randomized Comparison of High-Flex and Standard Rotating Platform Knee Arthroplasty. Journal of Arthroplasty, Sept. 2011, Vol.26, No.6, Suppl. 1, pp. 28-34.

Peace WJ, Ho H, Hopper RH Jr, Engh CA Jr. The Outcome of Extensively Porous Coated Stems for Revision Total Hip Arthroplasty. Seminars in Arthroplasty, June 2011, Vol.22, No.2, pp.112-116.

Hamilton WG, Hopper RH Jr, Engh CA Jr, Engh CA. Survivorship of Polyethylene Liner Exchanges Performed for the Treatment of Wear and Osteolysis Among Porous-Coated Cups. J Arthroplasty, Sept. 2010, Vol.25, No. 6, Suppl. 1, pp.75-80.

- Hamilton WG, Ammeen D, Engh CA Jr, Engh GA. Learning Curve With Minimally Invasive Unicompartmental Knee Arthroplasty. *J Arthroplasty*, Aug. 2010, Vol.25, No.5, pp. 735-740.
- Powers CC, Ho H, Beykirch SE, Huynh C, Hopper RH Jr, Engh CA Jr, Engh CA. A Comparison of a Second and a Third Generation Modular Cup Design: Is New Improved? *J Arthroplasty*, June 2010, Vol. 25, No. 4, pp.514-521.
- Engh CA Jr, Ho H, Engh CA, Hamilton WG, Fricka KB. Metal-on-metal Hip Arthroplasty Adverse Local Tissue Reaction. *Seminars in Arthroplasty*, 2010, Vol. 21, No. 1, p19-23.
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- Engh CA Jr, Ho H, Engh CA. Metal-on-Metal Hip Arthroplasty: Does Early Clinical Outcome Justify the Chance of an Adverse Local Tissue Reaction? *Clin Orthop Relat Res* (2010) 468:406–412
- Nunley RM, Zhu J, Brooks PJ, Engh CA Jr, Raterman SJ, Rogerson JS, Barrack RL. The Learning Curve for Adopting Hip Resurfacing Among Hip Specialists. *Clin Orthop Relat Res* (2010) 468:382–391
- Engh GA, Zimmerman RL, Parks NL, Engh CA Jr. Analysis of Wear in Retrieved Mobile and Fixed Bearing Knee Inserts. *J Arthroplasty* 2009 Sep;(6 Suppl):28-32.
- Engh CA Jr. Monolithic Extensively Porous-Coated Femoral Revision , Surgical Treatment of Hip Arthritis: Reconstruction, Replacement, and Revision pp 312-317, Hozack, Parvizi, Bender, Elsevier, Philadelphia, PA 2009, Published Elsevier September of 2009.
- Engh CA Jr, Mohan V, Nagowski JP, Terefenko CJ, Engh CA. Influence of Stem Size on Clinical Outcome of Primary Total Hip Arthroplasty with Cementless Extensively Porous-Coated Femoral Components. *J Arthroplasty* Vol.24, No. 4, June. 2009, 554-559.
- Egawa H, Ho H, Hopper RH Jr, Engh CA Jr, Engh CA. Computed Tomography of Pelvic Osteolysis and Cup-Lesion Interface Involvement with a Press-Fit Porous-Coated Acetabular Cup. *J Arthroplasty*, Vol. 24, No.2, Feb. 2009, 233-239.
- Engh CA Jr, MacDonald SJ, Sritulanondha S, Thompson A, Naudie D, Engh CA. Metal Ion Levels After Metal-on-Metal Total Hip Arthroplasty: A Randomized Trial. *Clin Orthop Relat Res* (2009) 467:101–111
- Egawa H, Powers CC, Beykirch SE, Hopper RH Jr, Engh CA Jr, Engh CA. Can the Volume of Pelvic Osteolysis be Calculated without Using Computed Tomography? *Clin Orthop Relat Res* (2009) 467:181–187

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- Belmont PJ, Powers CC, Beykirch SE, Hopper RH Jr, Engh CA Jr, Engh CA. Results of the Anatomic Medullary Locking Total Hip Arthroplasty at a Minimum of Twenty Years – A Concise Follow-up of Previous Reports. JBJS-A 90:1524-1530, July 2008.
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- Engh CA Jr, Egawa H, Beykirch SE, Hopper RH Jr, Engh CA. The Quality Of Osteolysis Grafting With Cementless Acetabular Component Retention. Clin Orthop Relat Res 465, Dec. 2007, 150-154.
- Leung SB, Egawa H, Stepniewski AS, Beykirch SE, Engh CA Jr, Engh CA. Incidence and Volume of Pelvis Osteolysis at Early Follow-up with Highly Cross-linked and Noncross-linked Polyethylene. J Arthroplasty Vol.22, No. 6, Suppl. 6, Sept. 2007, 134-139.
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- Kitamura N, Pappedemos PC , Duffy PR, Stepniewski AS, Hopper RH Jr, Engh CA Jr, Engh CA. The Value of Anteroposterior Pelvic Radiographs for Evaluating Pelvic Osteolysis. Clin Orthop Relat Res 453, December 2006, 239-245.
- Hamilton WG, Collier MB, Tarabee E, McAuley JP, Engh CA Jr, Engh GA. Incidence and reasons for reoperation after minimally invasive unicompartmental knee arthroplasty. J Arthroplasty. 2006 Sep;21(6 Suppl 2):98-107.
- Engh CA Jr, Stepniewski AS, Ginn SD, Beykirch SE, Sychterz-Terefenko CJ, Hopper RH Jr, Engh CA. A randomized prospective evaluation of outcomes after total hip arthroplasty using cross-linked marathon and non-cross-linked Enduron polyethylene liners. J Arthroplasty 2006 Sep;21(6 Suppl 2):17-25.
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Hamilton WG, Hopper RH Jr, Ginn SD, Hammell NP, Engh CA Jr, Engh CA . The Effect of Total Hip Arthroplasty Cup Design on Polyethylene Wear Rate. J Arthroplasty 2005 Oct. ;20 (7 Suppl. 3) : 63-72.

Walde TA, Weiland DE, Leung SB, Kitamura N, Sychterz-Terefenko CJ, Engh CA Jr, Claus AM, Potter HG, Engh CA. Comparison of CT, MRI, and radiographs in assessing pelvic osteolysis: A cadaveric study. Clin Orthop Rel Res 2005 August (437): 138-144.

Engh CA Jr. Extensively Porous-coated Femoral Components. Book chapter in Advanced Reconstruction Hip, Publisher AAOS, Editors JR Lieberman, DJ Berry 2005, pages 71-76.

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Hopper RH Jr, Engh CA, Fowlkes LB, Engh CA. The Pros and cons of polyethylene sterilization with gamma-irradiation. Clin Orthop Relat Res 429 , Dec. 2004, 54-62.

Engh CA, Hopper RH Jr, Engh CA Jr. Long-term porous-coated cup survivorship using spikes, screws and press-fitting for internal fixation. J Arthroplasty 19 (7Suppl 1):54-60, 2004.

Walde TA, Claus AM, Mohan V, Hopper RH Jr, Engh CA Jr, Engh CA. Advancement And Separation Of Apex Hole Eliminators With Cementless Duraloc 100 Cups :A Report of 19 Cases. JBJS 86-A (10)Oct. 2004, 2251-2256.

Hopper RH Jr, Young AM, Engh CA Jr, McAuley JP. Assessing the pattern of femoral head penetration after total hip arthroplasty. J Arthroplasty, 19(7Suppl 1):22-29, 2004.

Collier MB, Engh CA Jr, Engh GA. Association Between Polyethylene Insert Shelf Aging and Clinical Outcome of Unicondylar Knee Arthroplasty. JBJS 86-A , April 2004, 763-769.

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Engh CA, Engh CA Jr , Nagowski JP, Hopper RH Jr. Database Production and Maintenance. Clin Orthop Relat Res 421, April 2004, 35-42.

Engh CA Jr, Young AM, Engh CA, Hopper RH Jr. Clinical Consequences of Stress-Shielding after Total Hip Arthroplasty without Cement: A Mean 14 Year Follow-up. Clin Orthop Relat Res 417, Dec. 2003, 157-163.

- Boucher HR, Lynch C, Young AM, Engh CA Jr, Engh CA. Dislocation After Polyethylene Liner Exchange for Wear or Osteolysis in Total Hip Arthroplasty, J Arthroplasty, Vol. 18, No. 5, 654-657, August 2003.
- Claus AM, Engh CA Jr, Sychterz-Terenfenko CJ, Xenos JS, Orishimo K, Engh CA. Radiographic definition of pelvic osteolysis following total hip arthroplasty. JBJS 85-A, No. 8, August 2003, 1519-1526.
- Hopper RH Jr, Engh CA Jr. Comparison of Polyethylene Wear in Liners Gamma Irradiated vs. Gas Plasma Sterilized. JBJS Am, March 2003, 85: 464-468.
- Jewett BA, Collier MB, Engh CA Jr. Radiographic Measurements of Tibial Polyethylene Thickness in Total Knee Arthroplasty. J Arthroplasty Vol. 18, No. 7, October 2003, 860-866.
- Engh CA, Engh CA Jr, Claus AM, Hopper RH Jr. The Relationship Between Lysis and Loosening in Failed Anatomic Medullary Locking Components. Orthopaedics Vol. 24. No. 9, Sept. 2001, 855-856.
- Engh CA Jr, Ellis T, Losito L, McAuley JP, Engh CA. Cementless Femoral Revision for Severe Femoral Bone Loss, J Arthroplasty Vol. 17, No. 8, Dec. 2002, 955-960.
- Engh CA Jr, Claus AM, Hopper RH Jr, Engh CA. Long Term Results of Primary Total Hip Arthroplasty Using the Anatomic Medullary Locking Prosthesis. Clin Orthop Relat Res Dec. 2001
- Engh CA Jr, Culpepper, Brown, Charette PA. In-Home Anticoagulation Monitoring after Total Hip Arthroplasty. J of Southern Ortho Society, Vol. 10, No. 3, Fall 2001, 140-146.
- Engh CA Jr, Sychterz CJ, Young AM, Pollock DC, Toomey SD, Engh CA. Interobserver and Intraobserver Variability in Assessing Osteolysis Radiographically. J Arthroplasty. Vol. 17, No. 6, Sept. 2002, 752-759.
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- Hartley WT, McAuley JP, Culpepper WJ, Engh CA Jr, Engh CA. Osteonecrosis of the Femoral Head Treated with Cementless Total Hip Arthroplasty JBJS 82-A, No. 10, 1408-1413, October 2000
- Engh CA Jr, McAuley JP, Sychterz CJ, Engh CA. The Accuracy and Reproducibility of Radiographically Assessing Stress Shielding: A Postmortem Analysis. JBJS 82-A, No. 10, 1414-1420, October 2000

Engh CA Jr, Hopper RH Jr, McAuley JP, Engh CA. Central Wear-Through of a Modular Polyethylene Liner: Four Case Reports. Clin Orthop Relat Res No. 383, pp 175-182, Feb. 2001.

Sychterz CJ, Engh CA Jr, Yang A, Hopper RH Jr, Engh CA. Comparison Of In-Vivo Wear Between Polyethylene Liners Articulating With Ceramic And Cobalt-Chrome Femoral Heads. JBJS-B 82-B, No.7, 948-951, September 2000

Engh GA, Engh CA Jr. Activity After Replacement of the Hip, Knee, or Shoulder. Orth. Special Edition Vol. 5, No. 2, 1999, pp.61-65.

Chen W, McAuley JP, Engh CA Jr, Engh CA. Extended Trochanteric Slide Osteotomy for Revision Total Hip Arthroplasty. JBJS 82-A, No.9, 1215-1219, Sept 2000.

Chen W, Engh CA Jr, McAuley JP, Engh CA. Oblong Cup for Treatment of Severe Acetabular Defects. JBJS 82-A, Feb. 2000, p.197

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Engh CA Jr, McAuley JP, Engh CA. Surgical Approaches for Revision Total Hip Replacement Surgery: The Anterior Trochanteric Slide And The Extended Conventional Osteotomy ICL 48: 3-8 1999

Sychterz CJ, Engh CA Jr, Engh CA, Yang A. Polyethylene Wear Data on Porous Coated Acetabular Components: Analysis of Temporal Wear Patterns for 570 Hips from One Institution Abstract. J South Orth Assoc Vol. 7 No 2 Summer 1998 p.129-130

Sychterz CJ, Engh CA Jr, Engh CA, Yang A. Analysis of Temporal Wear Patterns for Porous Coated Acetabular Components: Separating True Wear from Bedding-in. JBJS 81-A, No. 6, pp. 821-830, June 1999

Engh CA Jr, Engh CA. Femoral Revision: Non-Cemented in Revision Total Hip Arthroplasty, pp351-364, Lippincott-Raven, Steinberg, Garino, eds 1999

Engh Sr., C. A., Engh Jr., C. A. Distal Fixation in Revision Total Hip Arthroplasty, pp 217-223 Springer Verlag, Bono, McCarthy, eds 1999

Sychterz CJ, Engh CA Jr, Swope SW, McNulty DE, Engh CA. Long Term Wear Patterns of Well-Functioning Total Hip Replacement Components: Analysis of Femoral Heads Retrieved at Autopsy. Clin Orthop Relat Res 358: 223-234. Jan. 1999

VonKoch M, Engh CA, Sychterz CJ, Engh CA Jr, Willert HJ. Migration of Polyethylene Wear Debris in Uncemented Femoral Components with Circumferential Coating: An Autopsy Study of 5 Femurs. J Arthroplasty Vol. 15, No. 1, Jan. 2000, pp72-78.

Engh CA Jr, Moore KD, Vinh TN, Engh GA. Titanium Prosthetic Wear Debris in Remote Bone Marrow. A Report of Two Cases. JBJS (Am) 1997

VonKnoch M, Sychterz CJ, Engh CA Jr, Engh CA. Incidence of Late Bead Loss in Uncemented Porous-Coated Cups. A Radiographic Evaluation. Clin Orthop Rel Res 1997

Sychterz CJ, Engh CA Jr, Shah N, Engh CA. Radiographic Evaluation of Femoral Head Penetration into Polyethylene Liners Measured Over Time. JBJS (Am) 1997

Bugbee WD, Culpepper WJ, Engh CA Jr, Engh CA. Long-Term Clinical Consequences of Stress Shielding in Cementless Total Hip Arthroplasty. JBJS (Am) 1997

Engh CA Jr, Culpepper WJ, Engh CA. Long-Term Results of the AML. JBJS (Am) 79-A, Feb 1997, pp.177-184

Sychterz CJ, Moon KH, Hashimoto Y, Terefenko KM, Engh CA Jr, Bauer TW. Wear of Polyethylene Cups in Total Hip Arthroplasty: Examination of Retrieved Postmortem Specimens. JBJS 78-A, Aug. 1996, pp.1193-1200.

Sotereanos NJ, Engh CA, Glassman AH, Macalino GF, Engh CA Jr. Cementless Femoral Components Should be Made From Cobalt Chrome. Clin Orthop Relat Res 313: 146-153, 1995.

Hooten JP Jr, Engh CA Jr, Engh CA. Failure of Structural Acetabular Allografts in Cementless Revision Hip Arthroplasty. JBJS 76B: 419-422, 1994.

Engh CA, McGovern TF, Engh CA Jr, Macalino GE. Clinical Experience with the Anatomic Medullary Locking (AML) Prosthesis for Total Hip Replacement. In: Biological, Material, and Mechanical Considerations of Joint Replacement, ed. Morrey, B.F. New York, Raven Press, 1993.

Engh CA, Engh CA Jr, Cadambi A, Lauro G, Piston RW. Cementless Revision of Failed Total Hip Arthroplasty: Preoperative Planning, Surgical Technique, and Postoperative Rehabilitation. Techniques Orthop. 7: 1-18, 1992.

Presentations at Professional Meetings:

The Jumbo Cup: The Workhorse of Revision THA. Paper 98, CCJR Spring Meeting, May 25,2016, Las Vegas, NV.

Problems & Solutions of the Extensor Mechanism. Paper 66, CCJR Spring Meeting, May 24,2016, Las Vegas, NV.

- Getting Out the Well-Fixed Knee. Paper 48, CCJR Spring Meeting, May 23,2016, Las Vegas,NV.
- Complex Primary Total Hip Arthroplasty:A Case Based Approach. Faculty Member/Instructor, ICL 384, AAOS Annual Meeting March 3, 2016, Orlando,FL.
- The Triflange Cup: When All Else Fails. Paper #58. CCJR Winter Meeting, Dec.11, 2015, Orlando, FL.
- The Extensively Porous Coated Femoral Cylinder: Survival Says It All. Paper #50. CCJR Winter Meeting, Dec.11, 2015, Orlando, FL.
- Overcoming Abductor Deficiency: A Soft Tissue Solution. Paper #45. CCJR Winter Meeting, Dec.10, 2015, Orlando, FL.
- An Analysis of Corrosion Products caused by Fretting/Wear-Accelerated Crevice Corrosion on Retrieved Co-Cr-Mo Implants. Society for Biomaterials Annual Meeting & Exposition, Charlotte, NC. April 16, 2015.
- Comparing Ceramic-on-metal to Metal-on-metal in a Prospective Randomized Trial. Paper #13, AAOS Annual Meeting March 24, 2015, Las Vegas, NV.
- Complex Primary Total Hip Arthroplasty:A Case Based Approach. Faculty Member/Instructor, ICL 221, AAOS Annual Meeting March 25, 2015, Las Vegas, NV.
- Revision THA: Understanding and Managing Osteolysis. Moderator and Presenter, ICL 322, AAOS Annual Meeting March 26, 2015, Las Vegas,NV.
- Can Metal Levels be Measured at Community Laboratory? Paper #876, AAOS Annual Meeting March 27, 2015, Las Vegas, NV.
- Removal of Extensively Porous Coated Stems. Paper #51. CCJR Winter Meeting, Dec.11, 2014, Orlando, FL.
- Extensively Porous Coated Femoral Cylinder: 30 Years Onward. Paper #56. CCJR Winter Meeting, Dec.12, 2014, Orlando, FL.
- The Custom Triflange: Build it and They Will Come. Paper #64. CCJR Winter Meeting, Dec.12, 2014, Orlando, FL.
- Intraoperative Fracture During Total Hip Arthroplasty. AAHKS Orthopaedic Team Member Conference. Nov. 7, 2014, Dallas, Tx.
- Total Hip Arthroplasty in the Patient with a Deformed Proximal Femur. AAHKS Orthopaedic Team Member Conference. Nov. 7, 2014, Dallas, Tx.

Total Knee Arthroplasty Two Weeks Postoperatively with a Red Wound. AAHKS Orthopaedic Team Member Conference. Nov. 7, 2014, Dallas, Tx.

Comparing Ceramic-on-metal to Metal-on-metal in a Prospective Randomized Trial. Hip Society Meeting, Sept.12, 2014, Durham,NC.

Revision THA: Understanding and Managing Osteolysis. Moderator and Presenter, ICL 221, March 12, 2014, New Orleans,LA.

Complex Primary Total Hip Arthroplasty:A Case Based Approach. Faculty Member/Instructor, ICL 334, March 13, 2014, New Orleans,LA.

Extensively Coated Stems, Symposium II, AAHKS, Hip Society Specialty Day, March 15,2014, New Orleans,LA.

The Cup Pressfit is No Good. Symposium I, AAOS Annual Meeting March 12,2014, new Orleans, LA

What are the Surgical Options for Progressive Wear or Corrosion with/without Osteolysis or Adverse Tissue Reaction. ABJS Carl Brighton Workshop, Tampa,Fla., Nov.22, 2013.

Common Knee Pathology. Ortho.Team Member Course, AAHKS, Dallas,Tx, Nov. 8, 2013.

Clinical Presentation and Management of Corrosion Related THA Failures. Hip Society Specialty Day, AAOS Annual Meeting March 23, 2013, Chicago, IL.

Why a Cylindrical Fully Porous Coated, Stem, and How? Hip Society Specialty Day, AAOS Annual Meeting March 23, 2013, Chicago, IL.

Essential Surgical Techniques for Total Hip Arthroplasty: A Video-Based Symposium – Extensively Coated Stem, Symposium P, AAOS Annual Meeting March 21, 2013, Chicago, IL.

Hot Topics in Total Hip and Knee Arthroplasty - Patient Specific Instrumentation – Not Ready for Prime Time (Negative), Symposium I, AAOS Annual Meeting March 20, 2013, Chicago, IL.

Getting Out the Well-Fixed Knee: All Hands on Deck. CCJR, Orlando, Fla. Dec. 15, 2012.

Cultivating Value and Aligning Incentives for Total Hip and Knee Arthroplasty. Advances in Arthroplasty, Boston,MA, Oct. 5, 2012.

Serial Radiographic Analysis of Knee Polyethylene Thickness. Advances in Arthroplasty, Boston,MA, Oct. 2012.

Getting Out the Well-Fixed Knee: All Hands on Deck. CCJR, LasVegas, NV. April 21, 2012.

Fully Coated Cylindrical Stems, Symposium VIII, Hip Society Specialty Day, AAOS Annual Meeting February 2012, San Francisco, CA.

Survivorship and Revision Analysis Among Primary Metal on Metal Total Hip Arthroplasty Using 36 mm Diameter Heads. Paper #559, AAOS Annual Meeting February 2012, San Francisco, CA.

The Outcome of Extensively Porous Coated Stems for Revision Total Hip. Paper #651, AAOS Annual Meeting February 2012, San Francisco, CA.

Metal on Metal Hip Replacement: Current Status and Recommendations For Patient Management. Symposium S, AAOS Annual Meeting February 2012, San Francisco, CA.

Five-year Metal Ion Levels After Metal-on-Metal Total Hip Arthroplasty (THA): A Prospective, Randomized Trial. Paper #310, AAOS Annual Meeting February 2012, San Francisco, CA.

Serial Radiographic Analysis of Tibial Polyethylene Bearing Thickness Losses In Vivo. Poster #P116, AAOS Annual Meeting February 2012, San Francisco, CA.

Metal On Metal Local Tissue Reaction Is Associated With Corrosion Of Head Taper Junction. Poster #P068, AAOS Annual Meeting February 2012, San Francisco, CA.

Patient Specific Knee Instruments. November 6, 2011 AAHKS Meeting, Dallas, TX.

Metal on Metal Local Tissue Reaction is Associated with Corrosion of Head Taper Junction. Paper #7 Presented November 5, 2011 AAHKS Meeting, Dallas, TX.

A Prospective, Randomized Study of Crosslinked and Non-Crosslinked Polyethylene for Total Hip Arthroplasty at 10-Year Follow-up. Presented November 5, 2011 AAHKS Meeting, Dallas, TX.

MicroCT Analysis of Retrieved Polyethylenes: Comparing Fixed and Mobile Bearing Knees. Advances in Arthroplasty, Boston, MA, Oct. 27, 2011

Retrieved Rotating Platform Knee Inserts Have Lower Wear Than Fixed Bearing Inserts. Knee Society Members Meeting, Sept. 17, 2011

Prospective Randomized Comparison of High Flex and Standard Rotating Platform TKA. Paper #6, February 2011, AAOS Annual Meeting, San Diego, CA.

Pathologically Confirmed Metal-on-metal THA Adverse Local Tissue Reactions from One Center. Paper #67, February 2011, AAOS Annual Meeting, San Diego, CA.

Outcome of 177 Knees Revised for Osteolysis with Minimum 5 Year Evaluation. Paper #244, February 2011, AAOS Annual Meeting, San Diego, CA.

A Prospective, Randomized Study of Crosslinked and Non-crosslinked Poly for THA at 10 year Follow-up. Paper #532, February 2011, AAOS Annual Meeting, San Diego, CA.

Minimum 2 Year Outcome and Survivorship of the Birmingham Hip Resurfacing System in the United States. Poster #P094, February 2011, AAOS Annual Meeting, San Diego, CA.

Cylindrical, Fully-Porous Coated Components:Tried and True. Specialty Day AAHKS and Hip Society, February 19, 2011, San Diego, CA.

High Flexion TKA Designs: Hype or Help? CCJR. Orlando, Fla. Dec.10, 2011.

Accuracy of CT-Based Patient Specific Total Knee Arthroplasty Instruments. Poster #7, November 2010, AAHKS Annual Meeting, Dallas,TX.

Patient Specific Instrumentation Cost Effective? ICJR, Kiawah Island, SC, April 16, 2010.

Socket Position: What's Best for Stability and Wear. Open Meeting of Hip Society, AAOS Specialty Day, March 13,2010, New Orleans, LA.

Patient Specific Knee Instruments. Washington Orthopaedic Society. Washington,DC, December 14, 2009.

Outcome of Polyethylene Liner Exchange for the Treatment of Wear and Osteolysis Among Porous-Coated Cups. Paper 19, November 2009, AAHKS Annual Meeting, Dallas, TX.

A New Technique to Measure Wear and Deformation of Retrieved Tibial Polyethylene. Poster #24, November 2009, AAHKS Annual Meeting, Dallas,TX.

Analysis of Wear in Retrieved Mobile and Fixed Bearing Knee Inserts. Poster P202, AAOS Annual Meeting, February 2009, Las Vegas, NV.

Head and Liner Exchange for osteolysis: Results,indications, technical tips to avoid complications of a common operation. February 28, 2009, Hip Society AAOS Specialty Day, Las Vegas, NV.

A Comparison of Wear and Osteolysis for Two Cup Designs: A Retrospective Matched Study. Poster #25, November 2008 AAHKS Meeting, Dallas, TX.

Retrieval Analysis of Cross-linked Acetabular Liners. Poster #13, November 2008 AAHKS Meeting, Dallas, TX.

Analysis of Wear in Retrieved Mobile and Fixed Bearing Knee Inserts. Paper #9 , November 2008 AAHKS Meeting, Dallas, TX.

Minimum 5 Year Outcome of Cementless Total Hip Arthroplasty with a 36mm Metal-on-metal Bearing Surface. Friday, September 26, 2008, Closed Scientific Meeting of the Hip Society.

The Learning Curve for Adopting Total Hip Resurfacing Among Hip Specialist. Friday, September 26, 2008, Closed Scientific Meeting of the Hip Society.

A Comparison of Three Total Hip Arthroplasty Bearing Surfaces: A Randomized Trial. Presented at Open Meeting of the Hip Society March 8, 2008, San Francisco, CA.

The Relationship between Acetabular Osteolysis Volume and Cup-Lesion Interface Involvement in Cementless Total Hip Arthroplasty. Poster #231, 17th Annual Meeting American Association of Hip and Knee Surgeons, November 2007, Dallas, TX.

Cost of Implant Waste Errors in Hip and Knee Arthroplasty, Poster #225, 17th Annual Meeting American Association of Hip and Knee Surgeons, November 2007, Dallas, TX.

Learning Curve with Minimally Invasive Unicompartmental Arthroplasty. Poster #206, 17th Annual Meeting American Association of Hip and Knee Surgeons, November 2007, Dallas, TX.

Cost of Implant Waste Errors in Hip and Knee Arthroplasty, Closed Meeting of Hip Society, September 2007, Pasadena, CA.

Surgical Treatment of Leg Length Discrepancy. Specialty Day, Hip Society, Annual AAOS Meeting, February 2007, San Diego, CA.

Osteolysis with Highly Crosslinked and Non-Crosslinked Polyethylene at Minimum 5-Year Follow-up. Poster #P087, Annual AAOS Meeting, February 2007, San Diego, CA.

In Vivo Tibial Polyethylene Insert Thickness Losses in One Knee System: Role of Sterilization. Poster #P149, Annual AAOS Meeting, February 2007, San Diego, CA.

The Incidence and Volume of Osteolysis at a Minimum 5-Year Follow-Up With Highly Cross Linked and Non Cross Linked Polyethylene. Paper #10, November 4, 2006, Annual AAHKS Meeting, Dallas, TX.

Outcome of Total Hip Arthroplasty Using Extensively Porous-Coated components at 20-Year Follow-up. Paper #4, Annual AAOS Meeting, March 22, 2006, Chicago, IL.

Incidence and Causes of Reoperation after Minimally Invasive Unicompartmental Knee Arthroplasty. Paper #145, Annual AAOS Meeting, March 23, 2006, Chicago, IL.

A Randomized, Prospective Evaluation of Total Hip Arthroplasty Outcome Using Crosslinked Polyethylene. Paper # 145, Annual AAOS Meeting, March 23, 2006, Chicago, IL.

Factors Associated with Wear of Tibial Bearings Retrieved from Unicondylar and Total Knees. Paper # 394, Annual AAOS Meeting, March 24, 2006, Chicago, IL.

The Use of a Hole Plug Does Not Prevent Retroacetabular Osteolysis. Poster #P030, Annual AAOS Meeting, 2006, Chicago, IL.

The Value of Plain Radiographs for Evaluating Pelvic Osteolysis. Poster #P031, AAOS Annual Meeting, 2006, Chicago, IL.

Polyethylene Wear in Knee Arthroplasty: A Contemporary Perspective. Scientific Exhibit #74, Annual AAOS Meeting, 2006, Chicago, IL.

A Randomized, Prospective Evaluation of Outcome after Total Hip Arthroplasty Using Crosslinked Marathon and Non-Crosslinked Enduron Polyethylene. Paper, Nov. 4-6 2005, 15th Annual AAHKS Meeting, Dallas, TX.

The Value of Plain Radiographs for Evaluating Pelvic Osteolysis. Poster 7. Nov. 4-6 2005, 15th Annual AAHKS Meeting, Dallas, TX.

The Use of a Hole Plug Does Not Prevent Retroacetabular Osteolysis. Poster 14. Nov. 4-6 2005, 15th Annual AAHKS Meeting, Dallas, TX.

How Does Prosthesis Fixation Type Alter Long-Term Femoral Cortical Bone Remodeling Around THA? Poster #P005, February 2005, Annual AAOS Meeting, Washington, DC.

The Relationship Between Acetabular Osteolytic Volume and Polyethylene Wear in Cementless THA. Paper # 020, February 23, 2005, Annual AAOS Meeting, Washington, DC.

In Vivo Wear of Crosslinked and Noncrosslinked Polyethylene in One Total Knee Design at 5 to 9 Years. Poster #P140. February 2005, Annual AAOS Meeting, Washington, DC.

Performance of an Enhanced Polyethylene (Hylamer-M) In Total Knee Arthroplasty at a Mean of 6 Years Poster #P128, February 2005, Annual AAOS Meeting, Washington, DC.

Osteolysis at 5 to 10 years post-TKA - effect of backside interface and insert sterilization method. Paper Number #116, February 24, 2005, Annual AAOS Meeting, Washington, DC.

Osteolysis at 5-10 years after Primary TKA: Impact of the Patient, Backside Interface and Polyethylene Sterilization Method. Paper #6, November 6, 2004, AAHKS Annual Meeting, Dallas, TX.

The Effect of THA Cup Design on Polyethylene Wear Rate. Paper#16, November 6, 2004, AAHKS Annual Meeting, Dallas, TX.

Factors influencing wear rates after total hip arthroplasty. Open Meeting of Hip Society. March 13, 2004

Sterilization and polyethylene wear: Clinical studies to support laboratory data. Poster #P013, March 2004, Annual AAOS Meeting, San Francisco, CA.

The effect of total hip arthroplasty cup design on wear rate. Poster #P002, March 2004, Annual AAOS Meeting, San Francisco, CA.

Factors associated with tibial polyethylene wear in total knee arthroplasty: Analysis of inserts retrieved at revision and autopsy. Poster #P116, March 2004, Annual AAOS Meeting, San Francisco, CA.

A prospective, randomized study comparing Marathon and Enduron polyethylene liners: three-year results. Poster #P059, March 2004, Annual AAOS Meeting, San Francisco, CA.

The Influence of Stem Size on the Clinical Outcome of Primary Total Hip Arthroplasty with Cementless Extensively Porous-Coated Femoral Components. Paper #39, March 10, 2004, Annual AAOS Meeting, San Francisco, CA.

Factors influencing wear rates after total hip arthroplasty. Paper #32, March 10, 2004, Annual AAOS Meeting, San Francisco, CA.

Long-Term Femoral Remodeling Around Well-Fixed Total Hip Arthroplasty. Paper #4, November 2, 2003, AAHKS, Dallas, TX.

Assessing the long-term pattern of femoral head penetration after total hip arthroplasty. Paper #27, November 2, 2003, AAHKS, Dallas, TX.

A prospective, randomized study comparing Marathon and Enduron polyethylene liners: three-year results. Paper #25, November 2, 2003, AAHKS, Dallas, TX.

Factors associated with tibial polyethylene wear in total knee arthroplasty: Analysis of inserts retrieved at revision and autopsy. Paper #20, November 1, 2003, AAHKS, Dallas, TX.

Long-term porous-coated cup survivorship using spikes, screws and press-fitting for initial fixation. Paper #1, November 1, 2003, AAHKS, Dallas, TX.

Factors Influencing Wear After Total Hip Arthroplasty. Poster #3, November 1, 2003, AAHKS, Dallas, TX.

Second Generation Cementless Total Hip Arthroplasty: Minimum Five-Year Results with a Fully Porous-Coated Stem and Hemispheric Porous-Coated Cup May 17, 2003, Virginia Orthopaedic Meeting, Williamsburg, VA.

Dislocation After Polyethylene Liner Exchange for Wear or Osteolysis in Total Hip Arthroplasty. May 17, 2003, Virginia Orthopaedic Meeting, Williamsburg, VA.

Clinical Consequences of Stress-Shielding after Total Hip Arthroplasty without Cement: A Mean 14 Year Follow-up. May 17, 2003, Virginia Orthopaedic Meeting, Williamsburg, VA.

One Hundred Consecutive Unicondylar Arthroplasties Featuring Gamma-Sterilized-in-Air Polyethylene Inserts: The Impact of Shelf Life on Clinical Outcomes and Follow-up Patterns at 6 years. Paper #66, February 2003, Annual AAOS Meeting, New Orleans, LA.

Interobserver and Intraobserver Variability in Assessing Osteolysis Radiographically. Paper #228, February 2003, Annual AAOS Meeting, New Orleans, LA.

The Value and Accuracy of Radiographs in Identifying and Determining the Extent of Periprosthetic Osteolysis Following THA Assessed in a Cadaver Model. Poster #P019, February 2003, Annual AAOS Meeting, New Orleans, LA.

Accuracy of Two Simple Clinical Methods for Estimating Tibial Polyethylene Thickness: Comparing Radiographic Measurements with As-Implanted and As-Retrieved Thicknesses. Poster Session 2, Poster 1420, February 2-5, 2003, ORS Meeting, New Orleans, LA.

Surgical Placement Of The Mechanical Weightbearing Axis And Its Impact On Wear Of Posterior Cruciate-Retaining Tibial Inserts. Poster Session 2, Poster 1389, February 2-5, 2003, ORS Meeting, New Orleans, LA.

Long-Term Clinical Consequences of Stress Shielding in Cementless Total Hip Arthroplasty. Paper presentation, November 2002, AAHKS, Dallas, TX.

Radiographic Measurements of Tibial Polyethylene Thickness in Total Knee Arthroplasty. Poster, November 2002, AAHKS, Dallas, TX.

Radiographic Measurements of Tibial Polyethylene Thickness in Total Knee Arthroplasty: Poster Presentation, June 2002, Annual Meeting American Orthopaedic Association, Victoria, Canada.

Treatment of Complete Developmental Hip Dislocation in Adults: Subtrochanteric Osteotomy Technique. Symposium M, February 2002, Annual AAOS Meeting, Dallas TX.

Long Term Results Using the Anatomic Medullary Locking Prosthesis. Paper 99, February 2002, Annual AAOS Meeting, Dallas TX.

Interobserver and Intraobserver Variability in Assessing Osteolysis Radiographically. Poster Presentation, November 2001, Annual Meeting AAHKS, Dallas, TX.

Symposia Total Joint Arthroplasty associated with extraarticular deformity, April 2001, Annual AAOS Meeting, San Fransisco, CA.

Cementless Femoral Revision for Severe Femoral Bone Loss. April 2001, Annual AAOS Meeting, San Fransisco, CA.

The Accuracy and Reproducibility of Radiographically Assessing Stress Shielding: A Postmortem Analysis. Paper 251. April 2001, Annual AAOS Meeting, San Francisco, CA.

A Single center's experience with THA using Porous-coated acetabular components. Poster exhibit, April 2001, Annual AAOS Meeting, San Francisco, CA.

The Accuracy and Reproducibility of Radiographically Assessing Stress Shielding: A Postmortem Analysis. November 2000, AAHKS Annual Meeting, Dallas, TX.

Oblong Cup for Treatment of Severe Acetabular Defects. November 10, 2000, Pennsylvania Orthopaedic Society, Philadelphia, PA.

Solution femoral revision. Video tape. April 2000, Masters of Orthopaedic Surgery, Pasadena, CA.

Total Hip Arthroplasty Using Porous-coated Femoral Components Among Patients with Rheumatoid Arthritis. Paper #111, March 2000, Annual AAOS Meeting, Orlando, FL.

Comparison Of In-Vivo Wear Between Polyethylene Liners Articulating With Ceramic And Cobalt-Chrome Femoral Heads. March 2000, Annual AAOS Meeting, Orlando, FL.

Comparison Of In-Vivo Wear Between Polyethylene Liners Articulating With Ceramic And Cobalt-Chrome Femoral Heads. November 1999, Annual AAHKS Meeting, Dallas, TX.

A Single center's experience with THA using Porous-coated acetabular components. November 1999, Annual AAHKS Meeting, Dallas, TX.

Acetabular Revision Using a Bilobed Cementless Component in Patients With Acetabular Bone Stock Deficiency. November 1999, Annual AAHKS Meeting, Dallas, TX.

Extended Slide Trochanteric Osteotomy for Revision Total Hip Arthroplasty. June 1999, Annual AAOS Meeting, Sun Valley, ID.

Femoral Revision with Extensively Porous Coated Stems in Patients with Severe Proximal Femoral Bone Loss. June 1999, Annual AAOS Meeting, Sun Valley, ID.

Extended Slide Trochanteric Osteotomy for Revision Total Hip Arthroplasty. July 3-6, 1999, Canadian Orthopedic Association 54th Annual Meeting, St. John's, Newfoundland.

Acetabular Revision Using a Bilobed Cementless Component in Patients With Acetabular Bone Stock Deficiency. July 3-6, 1999, Canadian Orthopedic Association 54th Annual Meeting, St. John's, Newfoundland.

The Effect of Cup Design on Polyethylene Wear. 1999 Japanese Orthopaedic Association Meeting, Yokohama, Japan.

Surgical treatment of osteolysis after total hip arthroplasty. Video tape. April 1999, Masters of Orthopaedic Surgery, Pasadena, CA.

Cementless Total Hip Arthroplasty for Complete Congenital Dislocation Subtrochanteric Osteotomy Technique. Video. 1999, Annual AAOS Meeting, Anaheim, CA.

Factors Affecting Femoral Bone Remodeling after Cementless Total Hip Arthroplasty: A Report of Two Cases. Poster exhibit, 1999, Annual AAOS Meeting, Anaheim, CA.

Polyethylene Wear Data on Porous Coated Acetabular Components: Analysis of Temporal Wear Patterns for 570 Hips from One Institution. Scientific exhibit, 1999, Annual AAOS Meeting, Anaheim, CA.

Cementless Femoral Revision Results and Technique. November 1998, Vigo and Oviedo, Spain.

Polyethylene Wear Data on Porous Coated Acetabular Components: Analysis of Temporal Wear Patterns for 570 Hips from One Institution. September 1998, University of California Davis Grand Rounds.

Acetabular Revision with Severe Acetabular Bone Loss. September 22, 1998, Western Orthopaedic Association.

Polyethylene Wear Data On Porous Coated Acetabular Components: Analysis Of Temporal Wear Patterns For 570 Hips From One Institution, July 1998, Southern Orthopaedic Association, Santa Fe, NM.

Antiprotrussio Cage for Severe Acetabular Defects. Video, 1998, Annual AAOS Meeting. New Orleans, LA.

In-Home Anticoagulation Monitoring after Total Hip Arthroplasty Poster exhibit, 1998, Annual AAOS Meeting, New Orleans, LA.

Long Term Wear Patterns of Well-Functioning Total Hip Replacement Components: Analysis of Femoral Heads Retrieved at Autopsy. Paper 243, March 1998, Annual AAOS Meeting, New Orleans, LA.

Incidence of Late Bead Loss in Uncemented Porous-Coated Cups. A Radiographic Evaluation. July 1997, Southern Orthopedic Meeting, Pebble Beach, CA.

Long-Term Results of the AML. Poster Exhibit, June 1997, INOVA Annual Research Day Fairfax, VA.

Surface Characteristics of Femoral Head Components Retrieved Postmortem. 1997 ORS Poster.

- SCOT: Long-Term Results of the AML. Poster Exhibit, September 1996, Amsterdam, Netherlands.
- Oslo Hip Meeting: Long-Term Results of the AML, Cementless Femoral Revision, Radiographic Analysis of Cementless Femoral Fixation, and Analysis of Post Mortem Retrieved Cementless Total Hip Arthroplasties. May 1996, Oslo, Norway.
- Virginia Orthopaedic: Long-Term Results of the AML. and Wear of Polyethylene Cups in Total Hip Arthroplasty: Examination of Retrieved Postmortem Specimens. April 1996, Richmond, VA.
- American Academy of Orthopaedic Surgeons Annual Meeting: Osteolysis Symposia, Surgical Treatment of Osteolytic Lesions Associated with Total Knee Arthroplasty. February 1996, Atlanta, GA.
- American Academy of Orthopaedic Surgeons Annual Meeting (Poster Exhibit): Fractures through Osteolytic Lesions in the Proximal Femur in Uncemented Total Hip Arthroplasty. February 1996, Atlanta, GA.
- Southern Orthopaedic Association 12th Annual Meeting: Cementless Acetabular Components: Threaded vs. Porous. July 6-8, 1995, Quebec City, Canada.
- Cementless Femoral Revision of Failed Cementless Stems. 1994, AAHKS Washington, DC.
- American Academy of Orthopaedic Surgeons Annual Meeting: Failure of Structural Acetabular Allografts in Cementless Revision Hip Arthroplasty. 1994, New Orleans, LA.
- Fall Hip Course (Presented by William H. Harris, M.D.): Clinical Experience of the AML at 10 Years and Bony Ingrowth in Autopsy: Retrieved AML Femoral Components. October 1993, Chicago, IL.
- The 46th Annual Meeting of the Virginia Orthopaedic Society: Failure of Structural Acetabular Allografts in Cementless Revision Hip Arthroplasty. May 1993, Williamsburg, VA.
- The International Symposium of the Center for Implant Surgery: Long-term Results of Porous-coated Hip Replacements and Analysis of Porous-coated Implants Retrieved Postmortem. March 1993, Haifa, Israel.
- Hip Society of Guadalajara: Polyethylene Concerns and Acetabular Design, Nine-year Results of the AML, and Results of Structural Acetabular Bone Grafts. 1992, Guadalajara, Mexico.
- American Orthopaedic Association Residents Meeting: Hemiarthroplasty for Displaced Femoral Neck Fractures in Patients 65 and Older. 1990, Long Beach, CA.
- Virginia Orthopaedic Annual Meeting. 1990, Wintergreen, VA.