

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

Born:	June 1, 1959
Citizenship:	U.S.A.

Education

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

Certification and Licensure

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

Professional Contributions

2000 to Present	Consultant Reviewer Journal of Bone and Joint Surgery American Edition
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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 at Nov. 2005 AAHKS Meeting

Publications:

Leung,SB, Egawa,H, Stepniewski,A, Beykirch,S, Engh Jr,CA, 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.

Collier, MB, Engh Jr.,CA, McAuley, JP, Engh, GA.Factors Associated with Thickness Loss of Polyethylene Tibial Bearings Retrieved from Unicondylar and Total Knee Arthroplasties. JBJS-A 89:1306-1314 , June 2007

Kitamura,N, Pappedemos,PC , Duffy,PR , Stepniewski,AS, Hopper,RH , Engh Jr,CA, Engh,CA. The Value of Anteroposterior Pelvic Radiographs for Evaluating Pelvic Osteolysis. Clin. Orthop. Rel. 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 unicompartamental 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.

Urban JA, Collier MB, Engh, Jr.CA, Engh GA. Relationship Between Product Demand, Tibial Polyethylene Insert Shelf Age, and Total Knee Arthroplasty Survival. J. Arthroplasty Vol. 21, No. 3, April 2006, 330-337

Collier MB, Engh CA Jr, McAuley JP, Ginn SD, Engh GA: Osteolysis after total knee arthroplasty: influence of tibial baseplate surface finish and sterilization of polyethylene insert. Findings at five to ten years postoperatively. J Bone Joint Surg Am. 2005 Dec;87(12):2702-8.

Engh, CA, Sychterz, C, Engh Jr., CA. Conventional Ultra-High Molecular Weight Polyethylene: A Gold Standard of Sorts. AAOS Instructional Course Lectures, Vol. 54, 183-187, 2005.

Hamilton,WG, Hopper Jr.,RH, Ginn,SD, Hammell,NP, Engh Jr.,CA, 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, CJ, Engh Jr., CA, 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 Jr, CA. Extensively Porous-coated Femoral Components. Book chapter in Advanced Reconstruction Hip, Publisher AAOS, Editors JR Lieberman, DJ Berry 2005, pages 71-76.

McAuley, JP, Engh Jr., CA. Femoral Fixation in the Face of Significant Bone Loss: Cylindrical and Extensively Coated. CORR 429, Dec. 2004, 215-221.

Engh Jr., CA. Trochanteric Sliding Osteotomy Hip Arthroplasty Exposure. Seminars in Arthroplasty, Vol. 15, No. 2, April 2004.

Hopper Jr., R.H., Engh Jr, CA, Fowlkes, LB, Engh Sr.,CA.The Pros and cons of polyethylene sterilization with gamma-irradiation. CORR 429 , Dec. 2004, 54-62.

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

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

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

Boucher,HR, Lynch, C, Young, AM, Engh Jr.,CA, Engh Sr.,CA. Dislocation After Polyethylene Liner Exchange for Wear or Osteolysis in Total Hip Arthroplasty, Journal of Arthroplasty, Vol. 18, No. 5, 654-657, August 2003.

Engh Jr., C.A. , Hopper Jr., R.H., Engh, C.A. Distal Ingrowth Femoral Revision. CORR 420, March 2004, 135-141.

Engh, C.A., Engh Jr., C.A. , Nagowski, J.P., Hopper Jr., R.H. Database Production and Maintenance. CORR 421, April 2004, 35-42.

Claus, A. M., Engh Jr., C. A., Sychterz, C. J., Xenos, J. S., Orishimo, K., Engh, C. A. Radiographic definition of pelvic osteolysis following total hip arthroplasty. JBJS 85-A, No. 8, August 2003, 1519-1526.

Hopper, R. H., Engh Jr., C. A. Comparison of Polyethylene Wear in Liners Gamma Irradiated vs. Gas Plasma Sterilized. J Bone Joint Surg Am, March 2003, 85: 464-468.

- Jewett, B. A., Collier, M. B., Engh Jr., C. A. Radiographic Measurements of Tibial Polyethylene Thickness in Total Knee Arthroplasty. *J. Arthroplasty* Vol. 18, No. 7, October 2003, 860-866.
- Engh, C. A., Engh Jr., CA, Claus, A. M., Hopper, R. H. The Relationship Between Lysis and Loosening in Failed Anatomic Medullary Locking Components. *Orthopaedics* Vol. 24. No. 9, Sept. 2001, 855-856.
- Engh Jr., C. A., Ellis, T., Losito, L., McAuley, J. P., Engh Sr., C. A. Cementless Femoral Revision for Severe Femoral Bone Loss, *J. Arthroplasty* Vol. 17, No. 8, Dec. 2002, 955-960.
- Engh Jr., C. A., Claus, A. M., Hopper, R. H., Engh, C. A. Long Term Results of Primary Total Hip Arthroplasty Using the Anatomic Medullary Locking Prosthesis. *CORR* Dec. 2001
- Engh Jr., C. A., Culpepper, Brown, Charette In-Home Anticoagulation Monitoring after Total Hip Arthroplasty. *J. of Southern Ortho Society*, Vol. 10, No. 3, Fall 2001, 140-146.
- Engh Jr., C. A., Sychterz, C. J., Young, A. M., Pollock, D. C., Toomey, S. D., Engh Sr., C. A. Interobserver and Intraobserver Variability in Assessing Osteolysis Radiographically. *Journal of Arthroplasty*. Vol. 17, No. 6, Sept. 2002, 752-759.
- Jana, A., Engh Jr., C. A., Lewandowski, P. J., Hopper Jr., R. A., Engh Sr., C. A. Total Hip Arthroplasty Using Porous-Coated Femoral Components Among Rheumatoid Arthritis Patients. *JBJS* 83-B, No. 5, July 2001, 686-690.
- Hartley, W. T., McAuley, J. P., Culpepper, W. J., Engh Jr., C. A., Engh Sr., C. A. Osteonecrosis of the Femoral Head Treated with Cementless Total Hip Arthroplasty *JBJS* 82-A, No. 10, 1408-1413, October 2000
- Engh Jr., C. A., McAuley, J., Sychterz, C. J., Engh Sr., C. A., The Accuracy and Reproducibility of Radiographically Assessing Stress Shielding: A Postmortem Analysis. *JBJS* 82-A, No. 10, 1414-1420, October 2000
- Engh Jr., C. A., Hopper Jr., R., McAuley, J., Engh Sr., C. A. Central Wear-Through of a Modular Polyethylene Liner: Four Case Reports. *CORR*. No. 383, pp 175-182, Feb. 2001.
- Sychterz, C. J., Engh Jr., C. A., Yang, A., Hopper Jr., R. H., Engh Sr., C. A.: 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, G. A., Engh Jr., C. A., Activity After Replacement of the Hip, Knee, or Shoulder. *Orth. Special Edition* Vol. 5, No. 2, 1999, pp.61-65.
- Chen, W., McAuley, J., Engh Jr., C. A., Engh Sr., C. A. Extended Trochanteric Slide Osteotomy for Revision Total Hip Arthroplasty. *JBJS* 82-A, No.9, 1215-1219, Sept 2000.

Chen, W., Engh Jr., C. A., McAuley, J., Engh Sr., C. A. Oblong Cup for Treatment of Severe Acetabular Defects. *JBJS* 82-A, Feb. 2000, p.197

Engh Jr., C. A., Sychterz, C. J., Engh Sr., C. A. Factors Affecting Femoral Bone Remodeling after Cementless Total Hip Arthroplasty: A Report of Two Cases. *J. of Arthroplasty*, Vol. 14, No. 5, pp.637-644, Aug. 1999

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

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

Sychterz, C. J., Engh Jr., C. A., Engh Sr., C. A., 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 Jr., C. A., Engh Sr., C. A. 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, C. J., Engh Jr., C. A., Swope, S. W., McNulty, D. E., Engh, C. A. Long Term Wear Patterns of Well-Functioning Total Hip Replacement Components: Analysis of Femoral Heads Retrieved at Autopsy. *CORR* 358: 223-234. Jan. 1999

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

Engh Jr., C. A., Moore, K. D., Vinh, T. N., Engh, G. A. Titanium Prosthetic Wear Debris in Remote Bone Marrow. A Report of Two Cases. *J. Bone Joint Surg.* (Am) 1997

VonKnoch, M., Sychterz, C. J., Engh Jr., C. A., Engh, C. A. Incidence of Late Bead Loss in Uncemented Porous-Coated Cups. A Radiographic Evaluation. *Clin. Orthop. Rel. Research* 1997

Sychterz, C. J., Engh Jr., C. A., Shah, N., Engh Sr., C. A. Radiographic Evaluation of Femoral Head Penetration into Polyethylene Liners Measured Over Time. *J. Bone Joint Surg.* (Am) 1997

Bugbee, W. D., Culpepper, W. J., Engh Jr., C. A., Engh Sr., C. A. Long-Term Clinical Consequences of Stress Shielding in Cementless Total Hip Arthroplasty. *J. Bone Joint Surg. (Am)* 1997

Engh, Jr., C. A., Culpepper, W. J., Engh, C. A. Long-Term Results of the AML. *J. Bone Joint Surg. (Am)* 79-A, Feb 1997, pp.177-184

Sychterz, C. J., Moon, K. H., Hashimoto, Y., Terefenko, K. M., Engh, Jr., C. A., Bauer, T. W. Wear of Polyethylene Cups in Total Hip Arthroplasty: Examination of Retrieved Postmortem Specimens. *J. Bone Joint Surg.* 78-A, Aug. 1996, pp.1193-1200.

Sotereanos, N. J., Engh, C. A., Glassman, A. H., Macalino, G. F., Engh Jr., C. A. Cementless Femoral Components Should be Made From Cobalt Chrome. *Clin. Orthop.* 313: 146-153, 1995.

Hooten Jr., J. P., Engh Jr., C. A., Engh Sr., C. A. Failure of Structural Acetabular Allografts in Cementless Revision Hip Arthroplasty. *J. Bone Joint Surg.* 76B: 419-422, 1994.

Engh, C. A., McGovern, T. F., Engh Jr., C. A., Macalino, G. E. 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 Sr., C. A., Engh Jr., C. A., Cadambi, A., Lauro, G., Piston, R. W. Cementless Revision of Failed Total Hip Arthroplasty: Preoperative Planning, Surgical Technique, and Postoperative Rehabilitation. *Techniques Orthop.* 7: 1-18, 1992.

Presentations at Professional Meetings:

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

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

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

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

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, March 22, 2006 AAOS Annual Meeting Chicago.

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

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

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

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

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

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

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

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

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

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

The Relationship Between Acetabular Osteolytic Volume and Polyethylene Wear in Cementless THA. Paper # 020, February 23, 2005 11:00 AM - 11:06 AM, Washington, DC Convention Center, Room 207

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

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

Osteolysis at 5 to 10 years post-TKA - effect of backside interface and insert sterilization method. Paper Number #116 AAOS Annual Meeting, Thurs Feb 24 2005, 9:18am, Room 207 Washington,DC Convention Center.

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

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

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, AAOS Annual Meeting, March 2004, San Francisco, CA.

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

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

A prospective, randomized study comparing Marathon and Enduron polyethylene liners:three-year results. Poster #P059, AAOS Annual Meeting, March 2004, 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, AAOS Annual Meeting, March 10,2004, San Francisco, CA.

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

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

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

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

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

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

Factors Influencing Wear After Total Hip Arthroplasty. Poster #3, AAHKS, November 1, 2003, 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, AAOS Annual Meeting, New Orleans Feb. 2003

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

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

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, ORS Meeting, New Orleans Feb. 2-5, 2003

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

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

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

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

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

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

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

Symposia Total Joint Arthroplasty associated with extraarticular deformity AAOS Annual meeting San Francisco April 2001

Cementless Femoral Revision for Severe Femoral Bone Loss. AAOS Annual meeting, paper 195, San Francisco April 2001

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

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

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

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

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

Total Hip Arthroplasty Using Porous-coated Femoral Components Among Patients with Rheumatoid Arthritis. Paper #111, AAOS Annual Meeting, Orlando, Fla., 3/16/00

Comparison Of In-Vivo Wear Between Polyethylene Liners Articulating With Ceramic And Cobalt-Chrome Femoral Heads. AAOS Annual Meeting, Orlando, Fla., 3/17/00

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

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

Acetabular Revision Using a Bilobed Cementless Component in Patients With Acetabular Bone Stock Deficiency. Nov. 1999 AAHKS Annual Meeting Dallas Texas

- Extended Slide Trochanteric Osteotomy for Revision Total Hip Arthroplasty. American Orthopedic Association Annual Meeting, Sun Valley Idaho, June 6, 1999.
- Femoral Revision with Extensively Porous Coated Stems in Patients with Severe Proximal Femoral Bone Loss. American Orthopedic Association Annual Meeting, Sun Valley Idaho, June 8, 1999.
- Extended Slide Trochanteric Osteotomy for Revision Total Hip Arthroplasty. Canadian Orthopedic Association 54th Annual Meeting, St. John's, Newfoundland. July 3-6, 1999
- Acetabular Revision Using a Bilobed Cementless Component in Patients With Acetabular Bone Stock Deficiency. Canadian Orthopedic Association 54th Annual Meeting, St. John's, Newfoundland. July 3-6, 1999
- 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. Masters of Orthopaedic Surgery, April 1999, Pasadena, CA.
- Cementless Total Hip Arthroplasty for Complete Congenital Dislocation "Subtrochanteric Osteotomy Technique". Video AAOS Annual Meeting. Anaheim, CA 1999
- Factors Affecting Femoral Bone Remodeling after Cementless Total Hip Arthroplasty: A Report of Two Cases. Poster exhibit AAOS Annual meeting. Anaheim, CA 1999
- Polyethylene Wear Data on Porous Coated Acetabular Components: Analysis of Temporal Wear Patterns for 570 Hips from One Institution. Scientific exhibit AAOS Annual meeting. Anaheim, CA 1999
- Cementless Femoral Revision Results and Technique. Vigo and Oviedo, Spain Nov. 1998
- Polyethylene Wear Data on Porous Coated Acetabular Components: Analysis of Temporal Wear Patterns for 570 Hips from One Institution. University of California Davis Grand Rounds. Sept. 1998
- Acetabular Revision with Severe Acetabular Bone Loss. Western Orthopaedic Association. Sept. 22, 1998.
- Polyethylene Wear Data On Porous Coated Acetabular Components: Analysis Of Temporal Wear Patterns For 570 Hips From One Institution So. Orth. Assoc., Santa Fe NM, July 1998
- Antiprotrussio Cage for Severe Acetabular Defects. Video AAOS Annual meeting. New Orleans 1998

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

Long Term Wear Patterns of Well-Functioning Total Hip Replacement Components: Analysis of Femoral Heads Retrieved at Autopsy. AAOS Annual meeting. Paper #243, 3/30/98, New Orleans

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

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

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

SCOT: Long-Term Results of the AML. Poster Exhibit, Amsterdam, Sept.1996

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. Oslo, Norway, May 1996

Virginia Orthopedic: 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. Atlanta, Georgia (February, 1996).

American Academy of Orthopaedic Surgeons Annual Meeting (Poster Exhibit): "Fractures through Osteolytic Lesions in the Proximal Femur in Uncemented Total Hip Arthroplasty." Atlanta, Georgia (February, 1996).

Southern Orthopaedic Association 12th Annual Meeting: "Cementless Acetabular Components: Threaded vs. Porous." Quebec City, Canada (July 6-8, 1995).

"Cementless Femoral Revision of Failed Cementless Stems." AAHKS Washington, DC (1994).

American Academy of Orthopaedic Surgeons Annual Meeting: "Failure of Structural Acetabular Allografts in Cementless Revision Hip Arthroplasty." New Orleans (1994).

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." Chicago, Illinois (October, 1993).

The 46th Annual Meeting of the Virginia Orthopaedic Society: "Failure of Structural Acetabular Allografts in Cementless Revision Hip Arthroplasty." Williamsburg, Virginia (May, 1993)

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." Haifa, Israel (March, 1993).

Hip Society of Guadalajara: "Polyethylene Concerns and Acetabular Design," "Nine-year Results of the AML," and "Results of Structural Acetabular Bone Grafts." Guadalajara, Mexico (1992).

American Orthopaedic Association Residents Meeting: "Hemiarthroplasty for Displaced Femoral Neck Fractures in Patients 65 and Older." Long Beach, California (1990).

Virginia Orthopaedic Annual Meeting. Wintergreen, Virginia (1990).