

## **WILLIAM G. HAMILTON, MD**

2501 Parkers Ln  
Alexandria, VA 22306  
703-892-6500  
703-799-5989 fax

### **TITLE**

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Staff Member, Anderson Orthopaedic Clinic  
Clinical Instructor, Adult Reconstruction Fellowship, Anderson Orthopaedic Research  
Institute

### **EDUCATION**

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**Brown University**  
ScB Psychology, 1992

**University of Cincinnati College of Medicine, MD, 1997**  
Honor: Alpha Omega Alpha, 1997

### **RESIDENCY**

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**Hospital of the University of Pennsylvania, Philadelphia, PA**  
Internship, General Surgery, 1997-1998  
Orthopaedic Surgery, 1998-2002

### **FELLOWSHIP**

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**Anderson Orthopaedic Adult Reconstruction Fellowship**  
Alexandria, VA, August, 2003

**Insall Knee Society Traveling Fellowship**  
October, 2009

### **SPECIAL INTERESTS**

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Anterior Supine Muscle Sparing Total Hip Arthroplasty  
Primary & Revision Hip & Knee Arthroplasty  
Tissue Sparing Hip & Knee Arthroplasty  
Unicondylar Knee Arthroplasty  
Computer Assisted Total Joint Arthroplasty

### **HOSPITAL PRIVILEGES**

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INOVA Mount Vernon Hospital

INOVA Fairfax hospital  
INOVA Alexandria Hospital

### **LEADERSHIP POSITIONS**

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Chairman, Department of Orthopaedic Surgery, INOVA Mount Vernon Hospital  
2008-present

President, Washington D.C. Orthopaedic Society  
2006-2007

Administrative Chief Resident, 2001-2002  
Department of Orthopaedic Surgery, University of Pennsylvania

### **MEMBERSHIP**

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American Association of Orthopaedic Surgeons- Fellow  
American Association of Hip & Knee Surgeons- Fellow  
American Medical Association  
Alpha Omega Alpha Society  
Virginia Orthopaedic Society  
Medical Society of Virginia  
Medical Society of Northern Virginia  
Washington D.C. Orthopaedic Society  
Board Member- Anderson Orthopaedic Research Institute  
Board Member- Anderson Orthopaedic Postgraduate Medical Foundation

### **PUBLICATIONS**

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Fehring, K, Hamilton, WG: Metastatic Carcinoma as an Unusual Cause of Knee Pain After Total Knee Arthroplasty. Journal of Bone and Joint Surgery- A. March 2009;91: 693-5.

Pappedemos, P, Hamilton, WG: Bilateral femoral neck fractures after myoclonic seizure treated with bilateral total hip arthroplasties. American Journal of Orthopedics, Feb 2009;38(2): 88-89.

Fricka, KB, Hamilton, WG: Gender Specific Total Knee Arthroplasty- A Current Review. Current Orthopaedic Practice. Vol 20, Number 1, Jan/Feb 2009, 47-50.

McAuley, JP, Collier, MB, Hamilton, WG, Tabaree, E, Engh, GA: Posterior Cruciate-retaining Total Knee Arthroplasty for Valgus Osteoarthritis. CLINICAL ORTHOPAEDICS AND RELATED RESEARCH. 2008 Aug (Epub ahead of print).

Hamilton, WG, McAuley, JP, Hopper, RH, Engh, CA Sr.: The Outcome of Rerevision of a Failed Porous Coated Stems with Another Porous Coated Stem. JOURNAL OF ARTHROPLASTY, Vol 23(2), 2008, p 170-174.

Hamilton, WG, Calendine, CL, Beykirch, SE, Hopper, RH, Engh, CA, Sr.: Acetabular Fixation Options: First Generation Modular Cup: Curtain Calls and Caveats. JOURNAL OF ARTHROPLASTY, Vol 22 (4), Supp 1, 2007, 75-81.

Hamilton, WG, Cashen, DV, Ho, Henry, Hopper, RH, Engh, CA, Sr.: Extensively Porous-Coated Stems for Femoral Revision: A Choice for all Seasons. JOURNAL OF ARTHROPLASTY Vol 22(4), 2007, 106-110.

Hamilton, WG, Collier, MB, Tarabee, E, McAuley, JP, Engh, CA, Engh, GA: Incidence and Reasons for Reoperation After Minimally Invasive Unicompartmental Knee Arthroplasty. JOURNAL OF ARTHROPLASTY. Vol 21 (6), 2006, 98-107.

Hamilton, WG, Hopper, RH, Iskander, JM, Young, AM, Engh, CA, Jr. The Effect of Total Hip Arthroplasty Cup Design on Polyethylene Wear Rate, JOURNAL OF ARTHROPLASTY. Vol 20 (Supp) Oct, 2005, 63-72.

SG Pill, WG Hamilton, and Dormans, JP: Percutaneous Toggle Technique for Manipulating Displaced, Unstable, and Nonreducible Proximal Tibial Fractures in Children. AMERICAN JOURNAL OF ORTHOPAEDICS 23(3): 156-157, 2003.

Hamilton, WG, Born, CT, DeLong, WG: Total Hip Arthroplasty after Surgically Treated Acetabular Fractures. SEMINARS IN ARTHROPLASTY 12(3): 201-210, 2001

Hamilton, WG, Freedman, KF, Haupt, H, Lackman, RL: Knee Pain in a 40 Year-Old Man. Orthopaedic/Radiology/Pathology Conference. CLINICAL ORTHOPAEDICS AND RELATED RESEARCH 383: 282-285, 2001.

Hamilton, WG, Garino, JP.: The Management of Severe Acetabular Bone Loss During Revision Total Hip Arthroplasty: Role of Impaction Grafting. SEMINARS IN ARTHROPLASTY, 12(1): 52-59, 2001.

Hamilton, WG, Klostermeier, T, Lim, E, Moulton, J: Surgically Documented Case of Rupture of the Plantaris Tendon. A Case Report and Literature Review. FOOT AND ANKLE INTERNATIONAL, 18(8): 522-523, 1997.

Hamilton, WG, Stambough, J: Diskitis Associated with Transpedicular Screw Fixation: A Case Report. JOURNAL OF SPINAL DISORDERS, 9(1): 68-71, 1996.

### **Non-Peer reviewed publications**

Hamilton, WG: Gender Considerations in the Surgical Treatment of Hip Pathology with an Extensively Coated Femoral Stem. Depuy White Paper Publication, July 2007.

Hamilton, WG: Extensively Coated Femoral Stems: Rationale, Benefits, and Addressing Perceived Pitfalls. White Paper Depuy Publication, April, 2006.

Hamilton, WG: Wear in Total Knee Arthroplasty. CURRENT OPINIONS IN ORTHOPAEDICS. Vol 17, No. 1, Feb 2006, 38-42.

Hamilton, WG: The AORI Experience: An Insiders Perspective. White Paper Depuy Publication, Aug 2005.

Hamilton, WG: The Management of Severe Acetabular Bone Loss in Revision Hip Surgery. Annual Resident Reporter Publication, American Academy Orthopedic Surgeons, Orlando, FL, 2000.

Hamilton, WG, Ramsey, ML: Rupture of the Distal Tendon of the Biceps Brachii. THE UNIVERSITY OF PENNSYLVANIA ORTHOPAEDIC JOURNAL. 12: 21-26, 1999.

### **Publications in Press**

Hamilton, WG, McAuley, JP, Politi, J, Garino, J, Dennis, D: Total Hip Arthroplasty with Delta Ceramic on Ceramic: Results of a Multicenter Investigational Device Exemption (IDE) Trial with Minimum 2-Year Follow-up. Clinical Orthopaedics and Related Research

### **Non-Peer Reviewed Publications in Press**

Engh, GA, Hamilton, WG: Unicondylar Arthroplasty. Chapter in Knee Arthroplasty, Eds. Berry, D, Lieberman, J. In press.

Barrett, M, Fricka, KB, Hamilton WG: Total Hip Arthroplasty in Developmental Dysplasia of the Hip. Chapter in Arthritis and Arthroplasty, in Press.

### **Textbook Chapters**

Hamilton, WG, Curbside Consultations in Hip Arthroplasty: Trochanteric Osteolysis. Ed. Sporer, S, 2008..

Hamilton, WG, Tarabee, E: Preoperative Evaluation of Total Joint Arthroplasty. Adult Reconstruction & Arthroplasty: Core Knowledge in Orthopaedics. Eds Garino, JP, Beredjiklian, PK. Elsevier, 2007, p 91-107.

Hamilton, WG, McAuley, JP. Sepsis, Etiology and Diagnosis. The Adult Hip, 2<sup>nd</sup> ed. Callaghan, Rosenberg, Rubash. Lippincott Williams & Wilkins, Philadelphia, 2007, p 1257-1270.

Hamilton, WG, Engh, CA: Hip Designs: Cementless Femoral Stems. Orthopaedic Knowledge Update, Hip and Knee Reconstruction 3. Published by AAOS, pgs. 345-369.

Hamilton, WG, and McAuley, JP: Evaluation of the Unstable Total Hip Arthroplasty. Instructional Course Lecture, Vol 53, 87-92, 2004.

### **Manuscripts submitted for Publication**

Barrett, M, Van Citters, D, Hamilton, WG: Catastrophic failure of Cross-linked Polyethylene in Total Hip Arthroplasty. JOURNAL OF ARTHROPLASTY.

Doppelt, J, Hamilton, WG, Tuan, R, et al.: Rapid Detection of Periprosthetic Joint Infections with Real-Time Reverse Transcription Polymerase Chain Reaction Using Ribosomal Ribonucleic Acid. JOURNAL OF BONE AND JOINT SURGERY-A.

Hamilton, WG, Ameen, D, Engh, CA, Engh, GA: Learning Curve Associated with Minimally Invasive Unicompartamental Arthroplasty. JOURNAL OF ARTHROPLASTY.

## **PRESENTATIONS**

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### **Scientific Presentations-National & International**

#### **Podium presentations:**

Hamilton, WG, Ammeen, D, Engh, GA: The Effect of Obesity on the Revision Rate of Minimally Invasive Unicompartamental Arthroplasty. Podium Presentation, AAOS, Las Vegas, NV, 2009.

Doppelt, JD, Bergin, PF, Jones, A, Hamilton, WG, Helm JM, Tuan, RS: Rapid Detection of Periprosthetic Joint Infections with Real-Time Reverse Transcription Polymerase Chain Reaction Using Ribosomal Ribonucleic Acid. Podium Presentation, AAOS, Las Vegas, NV, 2009.

Hamilton, WG, McAuley, JP, Politi, J, Garino, J, Dennis, D: Total Hip Arthroplasty with Delta Ceramic on Ceramic:Results of a Multicenter Investigational Device Exemption (IDE) Trial with Minimum 2-Year Follow-up. Closed Meeting of the Hip Society, Chicago, Il, Sept, 2008.

Hamilton, WG, Fricka, K, Ameen, D, Engh, CA, Engh, GA: Learning Curve Associated with Minimally Invasive Unicompartamental Arthroplasty. Podium presentation, AAOS, San Francisco, 2008.

Hamilton, WG, Collier, MB, Tarabee, E, McAuley, JP, Engh, CA, Engh, GA: Incidence and Reason for Reoperations After Minimally Invasive Unicompartamental Knee Arthroplasties. Podium Presentation, AAOS, Chicago, 2006.

Hamilton, WG, Collier, MB, Tarabee, E, McAuley, JP, Engh, CA, Engh, GA: Incidence and Reason for Reoperations After Minimally Invasive Unicompartamental Knee Arthroplasties. Podium Presentation, AAHKS, Dallas, 2005

Hamilton, WG, McAuley, JP, Hopper, RH, Engh, CA Sr.: The Outcome of Rerevision of a Failed Porous Coated Stems with Another Porous Coated Stem, Podium Presentation, AAOS Annual meeting, Washington, D.C, 2005

Hopper, RH, Iskander, JM, Young, AM, Hamilton, WG, Engh, CA, Jr. The Effect of Total Hip Arthroplasty Cup Design on Polyethylene Wear Rate, Podium Presentation, AAHKS annual meeting, Dallas, Tx, 2004

### **Poster Presentations:**

Hamilton, WG, Fricka, K, Ameen, D, Engh, CA, Engh, GA: Learning Curve Associated with Minimally Invasive Unicompartamental Arthroplasty. Poster Presentation, AAHKS, Dallas, TX, 2007

McAuley, JP, Collier, M, Engh, GA, Hamilton, W: Factors Influencing Survival of Minimally Invasive Unicompartmental Knee Arthroplasty: Poster Presentation, Canadian Orthopaedic Association, Halifax, 2007.

McAuley, JP, Collier, M, Hamilton, W: Posterior Cruciate Ligament Retaining Total Knee Arthroplasty in the Valgus Knee. Poster Presentation, Canadian Orthopaedic Association, Halifax, 2007.

Engh CA, Belmont PJ, Hopper Jr RH, Hamilton WG, Engh Jr CA. Outcome of total hip arthroplasty using extensively porous-coated components at 20-year follow-up. AAOS, Chicago, Illinois, March 22, 2006

Belmont PJ, Beykirch S, Hopper Jr RH, Hamilton WG, Engh Jr CA, Engh CA. Outcome of total hip arthroplasty using extensively porous coated components at 20-year follow-up. AAHKS, Dallas, Texas, November 3-5, 2006

Hamilton, WG, Collier, MB, Turk, J: Mechanical Axis Variation When Component Valgus Angles Are Reproduced Across Different Total Knees. Poster Presentation, AAOS, Chicago, 2006.

Hamilton, WG, Turk, JP, Christians, MA, Garino, JP: Massive Acetabular Impaction Grafting- Midterm Results, Poster presentation, AAOS, 2003.

## **Scientific Presentations- Regional**

### **Podium Presentations:**

Hamilton, WG, Fricka, K, Ameen, D, Engh, CA, Engh, GA: Learning Curve Associated with Minimally Invasive Unicompartamental Arthroplasty. Podium presentation, Virginia Orthopaedic Society, Greenbriar, May 2008.

Fricka, KB, Hamilton, WG, Engh, CA, Jr, Engh, GA: Arthroscopic Treatment of the Painful Minimally Invasive Unicompartmental Arthroplasty. Virginia Orthopaedic Society, Greenbriar, May, 2008.

Hamilton, WG, Collier, MB, McAuley, JP, Engh, CA, Engh, GA: Early Reoperation Rate of Minimally Invasive Unicompartmental Knee Arthroplasties. Virginia Orthopaedic Society, May 2005.

Hamilton, WG, McAuley, JP, Tarabee, E, Engh, CA: The Outcome of Rerevision of a Failed Porous Coated Stems with Another Porous Coated Stem. Virginia Orthopaedic Society, May 2005.

Hamilton, WG, Collier, MB, McAuley, JP, Engh, GA: Total Knee Arthroplasty with Posterior Cruciate Retention for Treatment of Valgus Osteoarthritis. Virginia Orthopaedic Society, May 2005.

### **Poster Presentations:**

Hamilton, WG, Fricka, KB, Egawa, H, Ho, H, Hopper, RH, Engh, CA, Jr, Engh CA: Relationship between Acetabular Osteolysis Volume and Cup-Lesion Interface Involvement in Cementless Total Hip Arthroplasty. Virginia Orthopaedic Society, Greenbriar, 2008.

Hamilton, WG, Fricka, KF, Reeves, JR, Fehring, K, Ameen, D, Engh, CA, Engh, GA: Isolated Mechanical Thromboprophylaxis Following Total Knee Arthroplasty. Poster Presentation, Virginia Orthopaedic Society, Greenbriar, May, 2008.

### **Multimedia Productions**

Hamilton, WG: Treatment of Infected Total Hip Arthroplasty with PROSTALAC Implant: Indications and Surgical Technique, AAOS 2009. Judged Award Winner.

Hamilton, WG, Branche, G, Engh, GA: Surgical Techniques In Orthopaedics: Arthroplasty for Unicompartmental Knee Arthritis. Medial Unicompartmental Arthroplasty and ACL Reconstruction, Video Technique. Eds Della Valle, Stuchin. 2008.

Turk, JP, Hamilton, WG, Garino, JP: The surgical technique of impaction grafting to reconstruct the acetabulum in revision arthroplasty: Video Presentation, AAOS, 2003.

Hamilton, WG, Alavi, R, Garino, JP: Femoral Impaction Grafting: Background, Indications and Surgical Technique. Video Presentation, AAOS, 2001. Judged Award Winner.

### **Research Grants**

1. **Title:** DePuy Delta Ceramax Ceramic-on-Ceramic Acetabular Cup Prosthesis System

**Description:** As part of a multi-center Investigational Device Exemption (IDE) study, patients prospectively randomized to either an investigational ceramic-on-ceramic or a conventional ceramic-on-polyethylene hip implant bearing surface. A total of 264 subjects at 8 sites will be enrolled. Minimum 2-year outcome data will be evaluated to demonstrate substantial equivalency as part of a Pre-Market Approval (510K) application that will be submitted to the Food and Drug Administration.

William G. Hamilton, M.D., Principal Investigator, Charles A. Engh, Sr., M.D., Sub Investigator, Charles A. Engh, Jr., M.D., Sub Investigator, James P. McAuley, M.D., Sub Investigator, Supatra Sritulanondha, M.P.H, Study Coordinator

**Supporting Agency:** DePuy, a Johnson and Johnson Company

**2. Title:** DePuy Delta Ceramax Ceramic-on-Ceramic Acetabular Cup Prosthesis System 36 mm.

**Description:** As part of a multi-center Investigational Device Exemption (IDE) study, a consecutive series of patients will be implanted with ceramic-on-ceramic THAs that include 36-mm femoral heads. Minimum 2-year outcome data will be evaluated to demonstrate substantial equivalency as part of a Pre-Market Approval (510K) application that will be submitted to the Food and Drug Administration.

William G. Hamilton, M.D., Principal Investigator, Charles A. Engh, Sr., M.D., Sub Investigator, Charles A. Engh, Jr., M.D., Sub Investigator, James P. McAuley, M.D., Former PI, Supatra Sritulanondha, M.P.H, Study Coordinator

**Supporting Agency:** DePuy, a Johnson and Johnson Company

**3. Title:** Factor Influencing Outcome After Joint Replacement

**Description:** This retrospective study will investigate outcome after total joint arthroplasty stratified by patient age. Appropriation for funding was included in 2003 legislation. Contract was signed in August of 2005. IRB approval necessary to initiate the study was obtained in October 2007. Study will continue through April 2010.

Robert H. Hopper, Jr., Ph.D., Principal Investigator, C. Anderson Engh, Jr., M.D., Co PI, William G. Hamilton, M.D., Sub Investigator

**Supporting Agency:** A cooperative agreement was awarded and administered by the U.S. Army Medical Research & Materiel Command (USAMRMC) and the Telemedicine & Advanced Technology Research Center (TATRC) under Contract Number W81XWH-05-2-0079.

**4. Title:** A Prospective Comparison of Rotating Platform Cruciate Substituting Total Knee Arthroplasty with Rotating Platform High-Flex Cruciate Substituting Total Knee Arthroplasty

**Description:** This study will investigate whether there is a significant difference in outcome at 1-year among patients receiving a conventional mobile bearing knee and the same type of component designed to allow increased flexion. Planned enrollment of 142 patients.

William G. Hamilton, M.D., Principal Investigator, C. Anderson Engh, Jr., M.D., Sub Investigator, Supatra Sritulanondha, M.P.H, Study Coordinator

**Supporting Agency:** DePuy, a Johnson and Johnson Company

### **Clinical Research in Progress**

Prospective, Randomized Comparison of Standard vs. High Flex Rotating Platform TKA:  
Enrolling 142 patients in a prospective randomized single blinded study to determine differences in outcome between standard and high flex rotating platform total knee arthroplasties. Implanted 82 of 142 patients to date. Funded by a Grant from Depuy, J&J.

Rapid Detection of Periprosthetic Joint Infections with Real-Time Reverse Transcription Polymerase Chain Reaction Using Ribosomal Ribonucleic Acid.  
Collaborative study between the Anderson Orthopaedic Research Institute, George Washington University and the NIH to determine utility of rapid PCR in diagnosis of infected TKA.

Utilization of Isolated Mechanical Thromboembolic Prophylaxis in Total Knee Arthroplasty: Study of 4061 consecutive TKA's utilizing sole mechanical prophylaxis following TKA with 6 week ultrasounds on all patients. Abstract submitted for presentation, manuscript currently in production.

Outcomes of minimally invasive UKA utilizing a single prosthesis: Study of 507 consecutive Preservation UKA's with average 4 year follow up. Abstracts have been submitted and continue in preparation to include: survivorship, learning curve, effect of various factors including obesity on survivorship, utility of arthroscopy to manage the painful UKA.

Continued follow-up of patient cohorts involved in IDE studies for following studies: Delta Ceramic-on-ceramic 28 mm prospective randomized study, Delta Ceramic-on ceramic 36 mm study, Delta ceramic on Ultamet metal vs. metal on metal prospective randomized study

## **INVITED LECTURES**

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**Pitfalls and Complications of Minimally Invasive UKA:** Contemporary Issues in Partial Knee Arthroplasty, New Albany, Ohio, Sept, 2008

**Articulation Choices for THA:** Advances in Arthroplasty, Arlington, VA, Sept, 2008

**Considerations in Revision Total Hip Arthroplasty,** Cherry Blossom Seminar, Tyson's Corner, VA, April, 2008

**Alternative Bearings for THA,** Cherry Blossom Seminar, Tyson's Corner, VA, April, 2008

**Computer Assisted Surgery,** Cherry Blossom Seminar, Tyson's Corner, VA, April, 2008

**Why I Use Metal on Metal Total Hip Arthroplasty,** Advances in Arthroplasty, Arlington, VA, Sept, 2007

**Alternative Bearings for the Millenium Patient,** Corail Learning Center, Philadelphia, PA, Sept 2007

**Diagnosis and Management of Osteolysis in Total Hip Arthroplasty,** Grand Rounds, University of Connecticut, July 26<sup>th</sup>, 2007

**Minimally Invasive Unicompartmental Arthroplasty: Pitfalls and Complications,** Cherry Blossom Seminar, Arlington, VA, April 2007

**Evaluation of the Painful Total Knee Arthroplasty,** Cherry Blossom Seminar, Arlington, VA, April 2007

**Minimally Invasive Total Hip Replacement- Fact or Fiction?,** Cherry Blossom Seminar, Arlington, VA, April 2007

**Computer Assisted Surgery: Luxury or Necessity?,** Cherry Blossom Seminar, Arlington, VA, April 2007

**Acetabular Revision: Structural Grafting,** Transforming Orthopaedics: Improving Outcomes through Technology, March 2007, Park City , Utah

**Management and Treatment of Osteolysis,** Transforming Orthopaedics: Improving Outcomes through Technology, March 2007, Park City , Utah

**Conversion of Failed Uni and HTO to TKA,** Transforming Orthopaedics: Improving Outcomes through Technology, March 2007, Park City , Utah

**Managing Hip Instability,** Masters Series Hip Revision Course, AAOS Learning Center, Feb 2007, Chicago, IL

**Osteolysis, Diagnosis and Management,** Techniques in Arthroplasty, June, 2006, Baltimore, MD

**AVN of the Hip: Treatment Algorithm,** Advances in Total Joint Replacement: Indications, Techniques and Pearls, May 4-6, 2006, White Sulfur Springs, West VA

**Ten Pearls of TKA**, Advances in Total Joint Replacement: Indications, Techniques and Pearls, May 4-6, 2006, White Sulfur Springs, West VA

**Pitfalls & Complications of Minimally Invasive Unicompartmental Arthroplasty**, Advances in Total Joint Replacement: Indications, Techniques and Pearls, May 4-6, 2006, White Sulfur Springs, West VA

**Revision THA: Structural Acetabular Allografting**, Advances in Total Joint Replacement: Indications, Techniques and Pearls, May 4-6, 2006, White Sulfur Springs, West VA

**Revision THA: Femur: Allograft Prosthesis Composite**, Advances in Total Joint Replacement: Indications, Techniques and Pearls, May 4-6, 2006, White Sulfur Springs, West VA

**Work-up of the Painful TKA**, Advances in Total Joint Replacement: Indications, Techniques and Pearls, May 4-6, 2006, White Sulfur Springs, West VA

**Ligament Balancing: The Varus Knee**, Advances in Total Joint Replacement: Indications, Techniques and Pearls, May 4-6, 2006, White Sulfur Springs, West VA

**Computer Assisted TKA: Rationale and Introduction to CAS Platform**, New England Baptist Learning Center, March, 2006, Boston, MA

**Unicompartmental Knee Arthroplasty: Issues and Indications**, New England Baptist Learning Center, March, 2006, Boston, MA

**Tissue Sparing Total Knee Arthroplasty**, Transforming Orthopaedics, Advances in Technology and Techniques, Feb 8-12, 2006, Vail, CO

**Instrumentation in Total Knee Arthroplasty**, Basics in Arthroplasty Residents Course, San Diego, Sept, 2008, Baltimore, MD, July, 2008 Philadelphia, PA, Aug 2007, San Diego, CA, Oct 2005, Baltimore, MD, Aug 2005, Cincinnati OH, Aug, 2004

**The Patella in Total Knee Arthroplasty**, Basics in Arthroplasty Residents Course, Philadelphia, PA, Aug 2007, San Diego, CA, Oct 2005, Baltimore, MD, Aug 2005, Cincinnati OH, Aug, 2004

**Ligament Balancing: Varus Knee**, Basics in Arthroplasty Residents Course, San Diego, CA, Sept, 2008, Baltimore, MD, July 2008, Philadelphia, PA, Aug 2007, San Diego, CA, Oct 2005, Baltimore, MD, Aug 2005, Cincinnati OH, Aug, 2004

**New Technologies in Total Joint Arthroplasty**, INOVA Annual Nurses Lectureship, April, 2005, Fairfax, VA

**Minimally Invasive Hip Replacement**, INOVA Nurses Spring Seminar, April 2004, April 2005, Alexandria, VA, Lecturer and Live Surgical Demonstration

**Rapid Rehabilitation Pathway**, INOVA Nurses Spring Seminar, April 2004, April 2005, Alexandria, VA, Lecturer and Live Surgical Demonstration

## **AWARDS**

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Alpha Omega Alpha Honor Society, 1997, University of Cincinnati College of Medicine

De Forest Willard Award for Outstanding Performance as a Senior Resident in Orthopaedic Surgery, Hospital of the University of Pennsylvania, June 7, 2002

Leonard Marmor Surgical Arthritis Foundation Award for Excellence in Adult Reconstruction, Hospital of the University of Pennsylvania, June 1, 2001

Outstanding Video Award, AAOS annual meeting, 2001: Hamilton, WG, Alavi, R, Garino, JP: Femoral Impaction Grafting: Background, Indications and Surgical Technique.

Outstanding Video Award, AAOS annual meeting, 2009: Hamilton, WG: Treatment of Infected Total Hip Arthroplasty with PROSTALAC Implant: Indications and Surgical Technique.

Brown University Football - 4 Year Varsity Letterman  
Awarded Brown Club of Philadelphia Honor, 1991

## **CERTIFICATIONS**

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BOARD CERTIFIED, AMERICAN BOARD ORTHOPAEDIC SURGERY, 2005-2015

Orthopaedic Board Part I- passed, 2002

Orthopaedic Board Part II- passed, 2005

VA MD License: 0101232484

DEA License- current

ACLS/ATLS

BLS

## **EXPERIENCE**

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Operation Walk Virginia-Founding member

Medical team traveling to underserved countries to perform joint arthroplasties

Consultant, Depuy, Johnson & Johnson Orthopaedics, 2003-current

Live Surgical Demonstrations 2003-current

Minimally Invasive Posterior Approach THA

Tissue Sparing TKA

Computer Assisted TKA

Consultant, Lifenet, 2005-current

Guest Reviewer- Journal of Bone and Joint Surgery, 2005- current

Residency Selection Committee, 2001

Department of Orthopaedic Surgery, University of Pennsylvania

Publications Editor, 1999, 2000.

University of Pennsylvania Orthopaedic Journal,

Representative, Residency Education Committee, 1998-2002  
Department of Orthopaedic Surgery, University of Pennsylvania