

DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

for  
Permanent Record  
and the  
Appointments and Promotions Committee

Date Prepared: 11/10/2021

Name (complete with degrees): William A. Jiranek, M.D., F.A.C.S.

Primary academic appointment: Professor with Tenure, Track I

Primary academic department (not DUAP): Orthopaedic Surgery

Secondary appointment (if any) - (department):

Present academic rank and title (if any): Professor and Vice Chair for Clinical Integration

Date and rank of first Duke Faculty appointment: April 15, 2017

Medical Licensure: North Carolina License #: 2017-00153  
Virginia License # 0101048535, Issued 09/01/1992

Specialty certification(s) and dates: American Board of Orthopaedic Surgery: 1994: Recertified 2003, 2013

Date of birth: 09/03/1956 Place (include city/state/country): Berea, Ohio

Citizen of: USA

**EDUCATION**

	<u>Institution</u>	<u>Date (Year)</u>	<u>Degree</u>
High School	Woodberry Forest School	1974	
Military	US Naval Reserve	1976-1978	Honorable Discharge
College	Princeton University	1978	B.A. (History)
Graduate or Professional School	University of Virginia School of Medicine Charlottesville, VA	1985	M.D.

**PROFESSIONAL TRAINING AND ACADEMIC CAREER**

<u>Institution</u>	<u>Position/Title</u>	<u>Dates</u>
Union Memorial Hospital	Intern (Surgery)	7/85-7/86

Patient First (clinic) Lexington, MA		7/86-12/86
Tufts University	Resident Combined Orthopaedic Residency	1/87-7/90
Massachusetts General Hospital	Chief Resident	7/90-12/90
Tufts University	Molecular Orthopaedic Pathology Departments of Pathology & Orthopaedics	1/90-6/91
Massachusetts General Hospital (Harvard Combined Orthopaedic Program)	Adult Reconstruction	7/91-6/92
Medical College of Virginia Virginia Commonwealth University	Clinical Instructor in Orthopaedics	7/92-7/94
Tuckahoe Orthopaedic Associates Richmond, VA	Orthopaedic Surgeon	9/92-12/03
Medical College of Virginia Virginia Commonwealth University	Clinical Assistant Professor in Orthopaedics	7/94-7/97
Medical College of Virginia Virginia Commonwealth University	Adjunct Faculty in Biomedical Engineering	1/96-2017
University of Virginia School of Medicine & Rehabilitation	Clinical Associate Professor of Orthopaedics	12/95-12/02
Virginia Commonwealth University Health System	Director, Adult Reconstruction Fellowship	07/01-2015
Medical College of Virginia Virginia Commonwealth University	Adjunct Associate Professor of Orthopaedics	07/97-2004
Virginia Commonwealth University & Medical College of VA Hospitals	Chief, Adult Reconstruction Section	01/04-2017
Virginia Commonwealth University Health System	Associate Professor - Orthopaedic Surgery	01/04-08/09
Virginia Commonwealth University & Medical College of VA Hospitals	Professor – Orthopaedic Surgery	08/09-2017
Virginia Commonwealth University Health System	Co-Director, Neuroscience, Orthopaedic and Wellness Ctr.	11/14-2017
Duke University Medical Center	Professor and Vice Chair Adult Reconstructive Surgery	05/2017 – Present
Duke University Medical Center	Medical Director, Unit 6100	06/17 – Present

**REFEREED JOURNALS**

1. Dellon AL, Seiler WA 4th, **Jiranek W.A.** "Teaching the technique of microsurgical intraneural neurolysis." *J Reconstr Microsurg.* Vol. 3(2):137-41, 1987. PMID: 3560039.
2. Jiranek WA, Ruby LK, Millender LB, Bankoff MS, Newberg AH. "Long-term results after Russe bone-grafting: the effect of malunion of the scaphoid." *J Bone Joint Surg Am.* 1992 Sep; 74(8):1217-28. PMID: 1400550.
3. Jasty,M., **Jiranek,W.A.**, Harris, W.H. "Acrylic Fragmentation in Total Hip Replacement and its Biologic Consequences." *Clin. Orthop. Relat Res.* 1992 Dec; (285):116-28. PMID: 1400550 [PubMed – indexed for MEDLINE]
4. **Jiranek,W.A.**, Machado,M.L., Jasty,M., Jesevar,D.J., Wolfe,H.B., Goldring, S.R., Goldberg, M.J., Harris,W.H. "Production of Cytokines around Loosened Cemented Acetabular Components: Analysis by Immunohisto-chemistry and In Situ Hybridization." *JBone Joint Surg Am.* 1993 Jun; 75 (6):863-79. PMID: 1446427 [PubMed – indexed for MEDLINE]
5. Buechel,F., Drucker,D., Jasty,M., **Jiranek,W.A.**, Harris,W.H. "Osteolysis Around Uncemented Acetabular Components of Cobalt- Chrome Surface Replacement Hip Arthroplasty." *Clin. Orthop. Rel Res.* 1994 Jan;(298):202-11. PMID: 8118977 [PubMed – indexed for MEDLINE]
6. Jasty,M., Bragdon,C.S., **Jiranek,W.A.**, Chandler,H.P., Maloney,W., Harris, W.H. "Etiology of Osteolysis around Porous Coated Cementless Total Hip Arthroplasties." *Clin. Orthop. Rel Res.* 1994 Nov; (308):111-26. PMID: 7955673 [PubMed – indexed for MEDLINE].
7. **Terek, R.M., Jiranek,W.A.**, Goldberg,M.J., Wolfe,H.J. and Alman,B.A. "The Expression of Platelet-Derived Growth-Factor Gene in Dupuytren Contracture." *J. Bone Joint Surg Am.* 1995 Jan; 77(1):1-9. PMID 7822340 [PubMed – indexed for MEDLINE]
8. Alman, B.A., Naber,S.P., Terek,R.M., **Jiranek,W.A.**, Goldberg,M.J, Wolfe,H.J., "Platelet Derived Growth Factor in Fibrous Musculoskeletal Disorders: A Study of Pathologic Tissue Sections and in vitro Primary Cell Cultures. *J. Orthop. Res.* 1995, Jan;13 (1):67-77. PMID: 7853106 [PubMed – inedexed for MEDLINE].
9. **Jiranek,W.A.**, Jasty,M.J., Wang,J.T., Wolfe,H.B., Goldberg,M.J., Harris,W.H. "Tissue Response to Particulate Polymethylmethacrylate in Mice with Various Immune Deficiencies." *J. Bone Joint Surg Am.* 1995 Nov, 77 (11):1650-61.
10. Bal,S., **Jiranek,W.A.**, Jasty,M., and Harris,W.H. "Periprosthetic Femoral Osteolysis Around An Uncemented Nonmodular Moore Prosthesis". *J. Arthroplasty.* 1997 Apr;12(3):346-9. PMID: 9113553 [PubMed – indexed for MEDLINE]
11. Konttinen, Y.T, Waris,V., Xu,J-W, **Jiranek,W.A.**, Sorsa,T., Virtanen,I, Santavirta,S. Transforming Growth Factor- $\beta$  1 and 2 in the Synovial-like Interface Membrane between Implant and Bone In Loosening of Total Hip Arthroplasty". *J. Rheumatology.* 1997 Apr;24(4):694-701. PMID: 9101504 [PubMed – indexed for MEDLINE].
12. Yin,C., **Jiranek,W.A.**, Wayne,J.S., Zuelzer, W.A., "Biochemical and Molecular Homogeneity in the patellar tendon of the immature pig". *J. Orthop. Res.* 1997 Sep;15(5):712-8. PMID: 9420601 [PubMed – indexed for MEDLINE].
13. Yin,C., **Jiranek, W.A.**, Vaughan, Patrick, Cardea, J.A. "Differential messenger RNA expression in aggressive versus linear periprosthetic osteolysis". *Clin. Orthop. Relat Res.* 1998 Jul;(352):95-104. PMID: 9678037 [PubMed – indexed for MEDLINE]
14. Lassus, J.; Salo, J.; **Jiranek, W.A.**, Santavirta, S., et al. "Macrophage activation results in bone resorption". *Clin. Orthop. Relat Res.* 1998 Jul (352):7-15. Review. PMID: 9678028 [PubMed – indexed for MEDLINE]
15. Dalury, D.F.; **Jiranek, W.A.**, "A comparison of the midvastus and paramedian approaches for total knee arthroplasty". *J. Arthroplasty.* 1999 Jan;14(1):33-7. PMID: 9926950 [PubMed – indexed for MEDLINE]
16. Yin, C.; Wayne, J.S.; **Jiranek, W.A.**; Zuelzer, W.A. "Differences in mRNA expression patterns between patellar tendons and cruciate ligaments of immature pigs". *J. Orthop. Research.* 1999 Nov;17(6):823-8. PMID: 10632448 [PubMed – indexed for MEDLINE]

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18. Sluss, J.R.; Liberti, J.P.; **Jiranek, W.A.**; Wayne, J.S.; Zuelzer, W.A. “pN Collagen Type III Within Tendon Grafts Used for Anterior Cruciate Ligament Reconstruction”. J. Orthop. Res. 2001 Sep;19(5):852-7. PMID: 11562132 [PubMed – indexed for MEDLINE]
19. Dalury DF, **Jiranek W.A.**, Pierson J, Pearson SE. “The long-term outcome of total knee patients with moderate loss of motion.” J Knee Surg. 2003 Oct;16(4):215-20. PMID: 14584834 [PubMed – indexed for MEDLINE]
20. **Jiranek, W.A.** “Acetabular Liner Fixation by Cement”. Clin. Orthop, Rel Res. 2003 Dec;(417)217-23. Review. PMID: 14646720 [PubMed – indexed for MEDLINE]
21. **Jiranek, W.A.**, Whiddon D., Johnstone, W.T., “Late Loosening of Press-Fit Acetabular Components”. Clin. Orthop, Rel Res. 2004 Jan;(418):172-8. PMID: 15043111 [PubMed – indexed for MEDLINE].
22. Mendes MW, Caldwell P, **Jiranek W.A.** “The results of tibial tubercle osteotomy for revision total knee arthroplasty.” J Arthroplasty. 2004 Feb;19(2):167-74. [PMID: 14973859 [PubMed – indexed for MEDLINE].
23. **Jiranek, W.A.**, Whiddon D., Johnstone, W.T., “Late Loosening of Press-Fit Acetabular Components”. Clin. Orthop, Rel Res. Erratum in: Clin Orthop. 2004 Mar;(420):174. PMID: 15043111 [PubMed – indexed for MEDLINE].
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26. **Jiranek, W.A.**, Whiddon D., Johnstone, W.T., “Late Loosening of Press-Fit Acetabular Components”. Clin. Orthop, Rel Res. Erratum in: Clin Orthop. 2004 Dec;(429):352. PMID: 15043111 [PubMed – indexed for MEDLINE].
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28. Qiu, JY, Beckman, MJ, Qian, J, **Jiranek W.A.** “Simultaneous labeling of mast cell proteases and protease mRNAs at the bone-implant interface of aseptically loosened hip implants”, J. Orthop. Res. 2005 Jul;23(4):942-8 PMID 15972256 [PubMed – indexed for MEDLINE]
29. **Jiranek, W.A.** “Thermal Manipulation of Bone Cement”. Orthopaedics. 2005 Aug;28(8 Suppl):s863-6. PMID: 16119729 [PubMed – indexed for MEDLINE]
30. **Jiranek, W.A.** “Antibiotic loaded bone cement in total hip replacement: Current Indications, Efficacy, and Complications”. Orthopaedics. 2005 Aug;28(8Suppl):s873-7. PMID: 16119731 [PubMed – indexed for MEDLINE]
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33. Ramage, S.C.; Urban, N.H.; **Jiranek, W.A.**; Maiti, A.; Beckman, M.J.; “Expression of RANKL in Osteolytic Membranes: Association with Fibroblastic Cell Markers”. J.Bone Joint Surg Am. 2007 Apr;89(4):841-8. PMID 17403809 [PubMed – indexed for MEDLINE]
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- replacement in the United States: preparing for an epidemic.”, *J Bone Joint Surg Am*. 2008 Jul;90(7):1598-1605. Doi:10.2106/JBJS.H.00067. No abstract available. PMID: 18594111 [PubMed – indexed for MedLine].
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  42. Harris,B, Owen JR, Wayne JS, **Jiranek WA**. “Does Femoral Component Loosening Predispose to Femoral Fracture?: An In Vitro Comparison of Cemented Hips.” *Clin Orthop Relat Res*. 2010 Feb;468(2):497-503. doi: 10.1007/s11999-009-1034-0. Epub 2009 Aug 11. PMID: 19669845 [PubMed – indexed for MEDLINE].
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  44. Goldberg VM, Buckwalter J, Halpin M, **Jiranek W**, Mihalko W, Pinsur M, Rogan B, Vail T, Walker P, Windsor R, Wright T. “Recommendations of the OARSI FDA Osteoarthritis Devices Working Group.” *Osteoarthritis Cartilage*. 2011 May;19(5):509-14. Doi: 10.1016/j.joca.2011.02.017. Epub 2011 Mar 22. PMID: 21396462 [PubMed – indexed for MEDLINE].
  45. Riddle,D., Kong,X., **Jiranek, W.**, “Factors associated with rapid progression to knee arthroplasty: Complete analysis of three-year data from the osteoarthritis initiative”. *Joint Bone Spine*. 2012 May;79(3):298-303. Doi: 10.1016/j.jbspin.2011.05.005. Epub 2011 Jul 2. PMID: 21727020 [PubMed – indexed for MEDLINE].
  46. Riddle DL, **Jiranek WA**, Neff RS, Whitaker D, Hull JR. “Extent of Tibiofemoral Osteoarthritis Before Knee Arthroplasty: Multicenter Data from the Osteoarthritis Initiative.” *Clin Orthop Relat Res.*, 2012 Oct;470(10):2836-42. Doi: 10.1007/s11999-012-2328-1. Epub 2012 Mar 27. PMID: 22451338 [PubMed – indexed for MedLine].
  47. **Jiranek WA.**, “Approaches for revision total hip replacement”. *Instr Course Lect*. 2012;61:295-302. PMID: 22301241 [PubMed – indexed for MEDLINE]
  48. Xing Z, Katz J, **Jiranek W**. “Unicompartmental knee arthroplasty: factors influencing the outcome” *J Knee Surg*. 2012 Nov;25(5):369-73. doi:10.1055/s-0031-1299666. Epub 2012 May 3. PMID: 23150345 [PubMed – indexed for MEDLINE]
  49. Peters CL, Beaulé PE, Beck M, Tannast M, **Jiranek WA**, Sierra RJ., “Report of breakout session: Strategies to improve hip preservation training.” *Clin Orthop Relat Res*. 2012 Dec;470(12):3467-9. doi:10.1007/s11999-012-2449-6. No abstract available. PMID: 22790592 [PubMed – indexed for MEDLINE]
  50. Kalore, NV, **Jiranek WA**. “Save the torn labrum in hips with borderline acetabular coverage.” *Clin Orthop Relat Res*. 2012 Dec;470(12):3406-13. doi:10.1007/s11999-012-2499-9. PMID: 22810161 [PubMed – indexed for MEDLINE]
  51. Riddle DL, **Jiranek WA**, Hull JR. “Validity and reliability of radiographic knee osteoarthritis measures by arthroplasty surgeons.” *Orthopedics*. 2013 Jan;36(1):e25-32. doi: 10.3928/0147747-20121217-14. PMID:23276348 [PubMed – indexed for MEDLINE]
  52. Fehring TK, Odum SM, Berend KR, **Jiranek WA**, Parvizi J, Bozic KJ, Della Valle CJ, Gioe TJ. “Failure of Irrigation and Debridement for Early Postoperative Periprosthetic Infection.” *Clin Orthop Relat Res*. 2013 Jan;471(1):250-7. Doi: 10.1007/s11999-012-2373-9. PMID: 22552768 [PubMed – indexed for MedLine].
  53. Lichstein P, Gehrke T, Lombardi A, Romano C, Stockley I, Babis G, Bialecki J, Bucsi L, Cai X, Cao L, de Beaubien B, Erhardt J, Goodman S, **Jiranek WA**, Keogh P, Lewallen D, Manner P, Marczyński W, Mason

- JB, Mulhall K, Paprosky W, Patel P, Piccaluga F, Polkowski G, Pulido L, Stockley I, Suarez J, Thorey F, Tikhilov R, Velazquez JD, Winkler H., "One Stage vs Two-Stage Exchange" *J Arthroplasty*. 2014 Feb;29(2Suppl):108-111. Doi: 10.1016/j.arth.2013.09.048. Epub 2013 Oct.1. No abstract available. PMID: 24360339 [PubMed – indexed for MEDLINE].
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58. Kannan A, Owen JR, Wayne JS, **Jiranek WA.** "Loosely Implanted cementless stems may become rotationally stable after loading" *Clin Orthop Relat Res*. 2014 Jul;472(7):2231-6. doi:10.1007/s11999-014-3577-y. Epub 2014 Mar 25. PMID:24664196 [PubMed – indexed for MEDLINE]
59. Riddle DL, **Jiranek WA**, Hayes CW. "Use of a validated algorithm to judge the appropriateness of total knee arthroplasty in the United States: a multicenter longitudinal cohort study." *Arthritis Rheumatol*. 2014 Aug;66(8):2134-43. doi: 10.1002/art.38685. PMID: 24974958 [PubMed – indexed for MEDLINE].
60. Cipriano C, Maiti A, Hale G, **Jiranek W** "The host response: Toll-like receptor expression in periprosthetic tissues as a biomarker for deep joint infection." *J Bone Joint Surg Am*. 2014 Oct 15;96(20):1692-8. doi: 10.2106/JBJS.M.01295. PMID: 25320195. PubMed - indexed for MEDLINE].
61. Riddle DL, Perera R, **Jiranek WA**, Dumenci L. Letter to the Editor: "Preoperative Pain and Function Profiles Reflect Consistent TKA Patient Selection Among US Surgeons." *Clin Orthop Relat Res*. 2015 Jan;473(1):393-4. doi: 10.1007/s11999-014-4035-6. Epub 2014 Nov 1. No abstract available. PMID: 25361849.
62. Higgins SW, Spratley EM, Boe RA, Hayes CW, **Jiranek WA**, Wayne JS. "A novel approach for determining three-dimensional acetabular orientation: results from two hundred subjects." *J Bone Joint Surg Am*. 2014 Nov 5;96(21):1776-84. doi: 10.2106/JBJS.L.01141. PMID: 25378504 [PubMed – indexed for MEDLINE].
63. Novak CC, Hsu AR, Della Valle CJ, Skipor AK, Campbell P, Amstutz HC, **Jiranek WA**, Onyike A, Pombar XF, Jacobs JJ. "Metal Ion Levels in Maternal and Placental Blood After Metal-on-Metal Total Hip Arthroplasty." *Am J Orthop (Belle Mead NJ)*. 2014 Dec;43(12):E304-8. PMID: 25490017 [PubMed - in process].
64. Kannan A, O'Connell RS, Kalore N, Curtin BM, Hull JR, **Jiranek WA** "Revision TKA for Flexion Instability Improves Patient Reported Outcomes." *J Arthroplasty*. 2014 Dec 13. pii: S0883-5403(14)00941-3. doi: 10.1016/j.arth.2014.12.010. [Epub ahead of print] PMID: 25559876 [PubMed - as supplied by publisher].
65. Franklin PD, Lewallen D, Bozic K, Hallstrom B, **Jiranek WA**, Ayers DC. "Implementation of patient-reported outcome measures in US. Total joint replacement registries: rationale, status, and plans. *J Bone Joint Surg Am*. 2014 Dec 17;96 Suppl 1:104-9. doi: 10.2106/JBJS.N.00328. PMID: 25520425 [PubMed – indexed for MEDLINE].
66. Riddle DL, **Jiranek WA.** "Knee osteoarthritis radiographic progression and associations with pain and function prior to knee arthroplasty: a multicenter comparative cohort study." *Osteoarthritis Cartilage*. 2015 Mar;23(3):391-6. doi: 10.1016/j.joca.2014.12.013. Epub 2014 Dec 20. PMID: 25535863 [PubMed – in process].

67. Riddle DL, Hayes CW, **Jiranek WA**. Response to letter by Franklin and colleagues. *Arthritis Rheumatology* 2015 Feb;67(2):585-6. doi: 10.1002/art.38929. No abstract available. PMID: 25371232 [PubMed – in process].
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### **PUBLISHED ABSTRACTS OR PROCEEDINGS**

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3. Alman, B.A., **Jiranek, W.A.**, Terek, R.M., Goldberg, M.J., Wolfe, H.J. Inappropriate C-SIS Proto-Oncogene Expression in Fibrous Dysplasia: An In-situ Hybridization and PCR Study. *Laboratory Investigation*, Vol. 66(1): 2A, 1992.
4. Yin C, **Jiranek W**, Cardea J, "Effect of Synovial Fluid pH on PCR based diagnosis of Joint Infection", *Transactions of the Orthop. Res. Soc.*, V24, 1999
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### **BOOKS/BOOK CHAPTERS AND MONOGRAPHS**

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2. **Jiranek, W.A.**, Goldring, S.R. "Osteolysis in Total Hip Arthroplasty: Basic Science" In *Revision Total Hip Arthroplasty*, 4th edition, edited by Turner, R.H., McCarthy, J.C., Bono, J. (New York, Springer-Verlag, 1998).
3. **Jiranek, W.A.**, Harris, W.H. "The Effect of Improved Cementing Techniques on Long Term Femoral Component Fixation." In *The Implant/Bone Interface*. Edited by Buchhorn, G.H. and Willert, H.G., [Hogrefe and Huber Publishers, Munich]
4. **Jiranek, W.A.**, "Periprosthetic Fracture Management" In *Advanced Reconstruction - Hip*, American Academy of Orthopaedic Surgeons Publication, 2003.
5. Hamlin, BR, Barrett, M, **Jiranek, WA**. "The Role of Computer Assisted Surgery in Minimally Invasive Joint Replacement Surgery." *Seminars in Arthroplasty* V. 16(3): p. 239-247, September 2005 (Elsevier 2005)
6. Selgrath CS, **Jiranek WA**, "Early Complications of THR and their management". In *The Adult Hip*, Volume II, Second Edition, (Philadelphia: Lippencott-Raven, 2006).
7. Onyike AA, **Jiranek WA**, "Bone Grafts", *Encyclopedia of Biomaterials and Biomedical Engineering*. (New York, Marcel Dekker press, 2006).
8. **Jiranek WA**, "Cementing liner into a well fixed shell", In *Revision Total Hip and Knee Arthroplasty*, edited by Paprosky, W. and Berry, D. (Philadelphia, Lippencott-Raven, 2006).

9. Khakharia S. and **Jiranek WA**, “Evaluation and Treatment of Leg Length Discrepancy” In Advanced Reconstruction: Hip, edited by Berry and Lieberman, 2010.
10. **Jiranek WA**, “Acetabular Component Design” Primary Total Hip Arthroplasty Design and Outcomes Chapter 22, Orthopaedic Knowledge Update: Hip and Knee Reconstruction 4, edited by Glassman A, Lachiewicz, P and Tanzer, M (American Academy of Orthopaedic Surgeons Publication, 2011
11. **Jiranek WA**, Meding J, Keating EM, “Overview and Strategies for Revision Total Knee Arthroplasty” Advanced Reconstruction Knee Section 4 Chapter 38, edited by Lieberman J, Berry D, and Azar F, The Knee Society, American Academy of Orthopaedic Surgeons 2011.
12. **Jiranek WA**, Riddle D, “Incidence of Partial Knee Arthroplasty: A Growing Phenomenon?” Partial Knee Arthroplasty: Techniques for Optimal Outcomes Chapter 5, edited by Berend K and Cushner F, (Philadelphia, Elsevier Saunders 2012)
13. **Jiranek WA**, “Approaches for Revision Total Hip Replacement”, Instructional Course Lectures Vol. 61, 2012 edited by Tornetta P, Pagnano M, Published by the American Academy of Orthopaedic Surgeons 2012
14. Cheppalli S, **Jiranek WA**: Hip-Spine Interaction: Application to Total Hip Arthroplasty. Orthopaedic Knowledge Online Journal 2013;11 (3): [http://orthoportal.org/oko/article.aspx?article=OKO\\_ADU053](http://orthoportal.org/oko/article.aspx?article=OKO_ADU053). Accessed March 2013

## **PATENTS**

US Patent #, “A method for restoring soft tissue balance by a variable offset of the femoral component. Issued to Depuy Orthopaedics.

## **PROFESSIONAL AWARDS AND SPECIAL RECOGNITIONS**

- 1992: American Orthopaedic Association Travel Award for Research  
“Long Term Results of Russe Bone Grafts for Scaphoid Nonunion : The Effect of Flexion Deformities.”
- 1996: Elected Fellow, American Academy of Orthopaedic Surgeons
- 1996: Elected Fellow, American College of Surgeons
- 1996: A.D. Williams Foundation Faculty Award (Medical College of Virginia) “Polymerase Chain Reaction Based Detection of Prosthetic Joint Infection.”
- 1996: MCV Department of Orthopaedics, Resident’s Day, Best Research Project (Josiah Duke, M.D.) Comparison of Culture vs. PCR in the Diagnosis of infected TJR.
- 1997: MCV Department of Orthopaedics, Resident’s Day, Best Research Project (Ken Davis, M.D.) Mechanical Testing of the Tibial Tubercle Osteotomy.
- 1998: MCV Department of Orthopaedics, Resident’s Day, Best Research Project (Patrick Vaughan, M.D.) Comparison of stimulation of peripheral blood monocytes in patients with and without osteolysis.
- 2000: MCV Department of Orthopaedics, Resident’s Day, Best Research Project (Bill Satterfield, M.D.) Mechanical Properties of Allograft Bone Struts
- 2001: Elected to membership in the Hip Society
- 2002: MCV Department of Orthopaedics, Resident’s Day, Best Research Project (Paul Caldwell, M.D.) Comparison of TTO fixation techniques under cyclic loading.

- 2003: Hip Society Scholar – Association of Bone and Joint Surgeons  
55<sup>th</sup> Annual Meeting, Paris, France May 2003
- 2003: MCV Department of Orthopaedics Resident’s Day, Best Research  
Project (Drew Noble, M.D.) Torsional failure analysis of the  
extended trochanteric osteotomy
- 2003: Elected into American Orthopaedic Association (AOA)
- 2004: Crystal Ball Honoree – Central Virginia Chapter – Arthritis Foundation
- 2006: MCV/ VCUHS Department of Orthopaedics Resident’s Day, Best Research Project, (Brian  
Hamlin, MD), Lateral compartment Pressures after medial unicondylar arthroplasty of the knee.
- 2008: MCV/VCUHS Department of Orthopedics Resident’s Day, Best Research Project, (Barton Harris,  
MD), The effect of torsional instability on periprosthetic fractures of the femur.

## **SCIENTIFIC AND SCHOLARLY ACTIVITIES**

### **Expert Services**

- a. Course Chairman “Management of Complications of Hip Arthroplasty”, DKOU AO Recon Symposium, October 25, 2017
- b. Course Co-director – AAHKS Spring Meeting May 4-6, 2017
- c. Moderator - New Practices in Pain Management Symposium – AAHKS Spring Meeting, May 5, 2017
- d. Panelist – Breakout sessions I-VI- AAHKS Spring Meeting, May 4-6, 2017
- e. Panelist – AAOS Annual Meeting March 2017, San Diego, California
- f. Moderator – “Lessons Learned from Bundled Payment” Symposium sponsored by AAHKS, AAOS Annual Meeting, March 3-8, 2017
- g. Moderator – “Techniques for managing arthroplasty pain” Symposium AAHKS Annual Meeting, Nov. 9-10, 2016, Dallas, Texas
- h. Faculty Member and Panelist – Fundamentals of Hip and Knee Arthroplasty, May 28-30, 2016 at Vista Cadaveric Lab in Baltimore, MD
- i. Panelist – “New Paradigms in the Management of Prosthetic Joint Infection”, 2015 AAHKS meeting
- j. Faculty Member and Panelist – Fundamentals of Hip and Knee Arthroplasty, May 23-25 2015, at Vista Cadaveric Lab, Baltimore, Maryland
- k. Panelist – AAOS Annual Meeting, March 2015
- l. Panelist for the “Ask the Experts Primary Knee Case Session” at the 24<sup>th</sup> Annual Meeting of the American Association of Hip and Knee Surgeons – November 6-9, 2014, Dallas, TX
- m. Orthopaedic Team Member Course: “Management of Hip and Knee Patients” Case Bases Scenarios 1) “Meniscus Tear” 2) “Total Knee Arthroplasty in the Patient with Retained Hardware” 3) Trunnionosis.

24<sup>th</sup> Annual Meeting of the American Association of Hip and Knee Surgeons – November 6-9, 2014, Dallas, TX

- n. Moderator, Session III. Case Bases Scenarios – “Total Knee Arthroplasty – Post Operative Dilemmas” 24<sup>th</sup> Annual Meeting of the American Association of Hip and Knee Surgeons – November 6-9, 2014, Dallas, TX
- o. Faculty Member and Surgical Demonstrator - Fundamentals of Hip and Knee Arthroplasty for Orthopaedic Residents - May 30-June 1, 2014 at Vista Cadaveric Surgical Training Facility in Baltimore, MD.
- p. Moderator – Symposium VII – “Complications of Total Hip Replacements” Hip Society/AAHKS Open Meeting. 2013 American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL. March 2013
- q. Moderator – Symposium III - Lessons Learned from Long Term Follow-Up. Knee Society Scientific Program. 2013 American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL. March 2013
- r. Faculty Surgical Demonstrator – AAOS/AAHKS Total Hip Arthroplasty: From Primary to Revision #3468. Rosemont, IL September 2011
- s. Moderator: Miscellaneous Topics at the AAHKS 20th Annual Meeting, Dallas, TX Nov. 5-7, 2010
- t. Course Director – AAHKS/AAOS Challenges and Controversies in Total Joint Arthroplasty #3824. Developed satellite format from 3 cities across US. Rosemont, IL April, 2010
- u. Moderator: Instructional Course Lecture AAOS meeting: ICL #265 - New Orleans, LA March, 2010
- v. Moderator: Session IV: Annual Meeting of AAHKS Dallas, TX November, 2009
- w. Reviewer, AAOS guidelines on diagnosis of periprosthetic infection – 2009
- x. Chair, Program Subcommittee, Annual Meeting of American Academy of Orthopaedic Surgeons, Las Vegas, NV, 2009
- y. Moderator – Combined AAOS-ORS Symposium on Hip Resurfacing - San Francisco, CA. February, 2008
- z. Member – American Academy of Orthopaedic Surgeons Continuing Medical Education Committee (CME) 2007 – 2011
- aa. Moderator – AAOS Annual Meeting Adult Reconstruction Paper Sessions 2004, 2005, 2006, 2007, 2008, 2009
- bb. Section Editor – Adult Reconstruction Section Orthopaedic Knowledge Online (OKO), Electronic educational arm of AAOS. 2004 – Present
- cc. Senior Editor – Adult Reconstruction – Orthopaedic Knowledge Online (OKO) 2005-Present
- dd. Member – American Academy of Orthopaedic Surgeons Annual Meeting Central Planning Committee 2004 – 2010
- ee. Consultant Reviewer – Clinical Orthopaedics and Related Research 2002 – Present
- ff. Consultant Reviewer – Journal of Orthopaedic Research. 2000 - Present

gg. Consultant Reviewer – Journal of American Academy of Orthopaedic Surgeons  
2000 – Present

hh. Consultant Reviewer – Journal of Oral and Maxillofacial Surgery - 1998

ii. Member – American Academy of Orthopaedic Surgeons Biologic Implants Committee, 1997 – 2003

jj. Consultant Reviewer – Acta Orthopaedica Scandinavia 1996 – Present

kk. Consultant Reviewer – Journal of Bone and Joint Surgery 1993 – Present

### **MEMBERSHIP IN SCIENTIFIC/PROFESSIONAL SOCIETIES**

a) Member – Richmond Orthopaedic Club – 1992 – Present

b) Member – Medical Society of Virginia – Nov. 1992 – Present

c) Member – Virginia Orthopaedic Society – January 1993 – Present

    President                   2001-2002

    Vice President           2000-2001

    Secretary                1999-2000

d) Member – Society for Biomaterials – Jan. 1994 – 2000

e) Member – Southern Orthopaedic Association – January 1995 – 2010

f) Member – Southern Medical Association – January 1995 – 2010

g) Member – Orthopaedic Research Society – February 1995 – Present

    Member – Young Investigator Selection Committee (NIRA) – 1998

    Moderator, Annual meeting – 2002, 2004, 2006

    Abstract Reviewer – 2002, 2003, 2008

h) Member – American Association of Hip and Knee Surgeons – 1995 – Present

    Membership Committee 2005-2009

    Chairman – Membership Committee 2008-09

    Second Vice President 2014

    First Vice President 2015

    President 2016 – 2017

    Board of Directors 2017- 2019

i) Fellow – American Academy of Orthopaedic Surgeons – February 1996 – Present

j) Fellow – American College of Surgeons – May 1996 – Present

k) Member – American Orthopaedic Association – 2003 – Present

l) Member – Knee Society - 2009 – Present

    Nominating Committee 2010

m) Member – Hip Society - 2003 – Present

    Member – Board of Directors 2011-2012

    Member - Nominating Committee 2010

    Member – Membership Committee 2014 – 2018

    Chairman – Membership Committee 2018 - 2019

n) Member - Strategic Plan Subcommittee of Dept of Ortho Surgery 2018 – Present

o) Chairman - Mentorship Program – Dept of Orthopaedic Surgery Duke University

### **EXTERNAL SUPPORT – GIFTS, GRANTS AND CONTRACTS**

**Past**

“Cytokine production by cell populations at the interface membrane of failed total joint replacement “, Orthopaedic Research and Education Foundation Research Grant (S93-016), \$92,760 - Principal Investigator – William A. Jiranek - July 1993 – July 1996

“Comparison of cytokine production in failing total joint replacements versus osteoarthritic cysts” Johnson and Johnson Corporation, \$40,000 - Principal Investigator – William A. Jiranek July 1994 – July 1995

“Polymerase chain reaction (PCR) based detection of prosthetic joint infection”, Medical College of Virginia institutional Grant, \$5,162 - Principal Investigator – William A. Jiranek July 1996 – January 1997

“Development of aggressive osteolysis around total joint replacements” Zimmer Corporation (SPA #97-1205-01), \$100,000 - Principal Investigator William A. Jiranek, June 1997 – June 1998

“Improving cell viability in osteochondral allografts” Lifenet Tissue Bank \$10,800. Principal Investigator – William Jiranek 1997 – 1999

“Mechanical testing of common fixation techniques for tibial tubercle osteotomy” Orthopaedic Research and Education Foundation Resident Grant \$ 15,000 - Principal Investigator – Kenneth Davis - Co-investigators – William Jiranek and Jennifer Wayne July 1998 – July 1999

### **Pending**

“Comparative Effectiveness of Pulmonary Embolism Prevention after Hip and Knee Replacement (PEPPER): Balancing Safety and Effectiveness – PCORI Multicenter Grant \$374,000

## **RESEARCH ADVISING AND MENTORING ACTIVITIES**

Fellows, Doctoral, Post docs

### a. PhD Candidates – Doctoral Committee

1. James Schluss, VCU, PhD, 2001  
“The role of pN Collagen in ACL reconstruction”
2. Mengnai Li, VCU, PhD, 2005  
“Cellular and molecular mechanisms of Osteolysis”
3. Seppo Santivirta, Univ. of Kuppio, Finland, PhD, 2006  
“Diamond coating for bearing surfaces in total hip arthroplasty”

### b. Fellows

1. Michael Mendes, MD, 2002
  - a. Chief of Orthopaedics, Mercy Hospital Columbus, GA.
2. Chris Selgrath, DO, 2003
  - a. Academic Orthopaedics – Temple Univ. Philadelphia, PA.
3. Mengnai Li, MD, 2004
  - a. Academic Orthopaedics – Univ. of Minnesota Minneapolis, MN



4. Aham Onyike, MD, 2005
  - a. Academic Orthopaedics – Howard Univ. Washington, DC
5. Edward Petrow, DO, 2006
  - a. Private Practice – Tucson, AZ.
6. Asish Anand, MD, 2006
  - a. Academic Orthopaedics – Bangalour, India
7. Brian Hamlin, MD, 2006
  - a. Private Practice – Pittsburgh, PA
8. Ani Uyoe, MD, 2007
  - a. Private Practice – Shreveport, La.
9. Ehab Saleh, MD, 2007
  - a. Private Practice – Ashland, Ky.
10. Senthil Sanbamdam, MD, 2008
  - a. Private Practice – Cheyenne, WY
11. Barton Harris, MD, 2008
  - a. Private Practice – Richmond, Va.
12. Jibana Satpathy, MD, 2009
  - a. Assistant Professor, VCU Richmond, VA
13. Saurabh Khakharia, MD, 2009  
Private Practice – Atlanta, GA
14. Niraj Kalore, MD, 2010
  - a. Assistant Professor, VCU Richmond, VA
15. Zhiqing Xing, MD, 2010
  - a. Assistant Professor – University of South Alabama  
Mobile, Alabama
16. Robert Neff, MD, 2011
  - a. Private Practice – Houston, TX
17. Derek Whitaker, MD, 2011
  - a. Army surgeon, Adult Reconstruction, Ft. Benning, GA
18. Rupal Patel, MD, 2012
  - a. Orthopaedic Surgeon, Adult Reconstruction, South Hill, VA.
19. Suresh Cheppalli, MD
  - a. Sports Medicine Fellow, Princeton Baptist, Birmingham, AL
20. Vikrant Azad, MD
  - a. Private Practice, Hutchinson, KS

21. Arun Kanan, MD
  - a. Private Practice, Chennai, India
22. Cara Cipriano, MD
  - a. Assistant Professor, Washington University St. Louis, MO
23. Lucas Armstrong, MD
  - a. Private Practice, Bloomington, IL
24. Mario John, MD
  - a. Private Practice, Orlando, FL

b. Residents

1. Josh Duke, MD, 1996  
“Use of PCR in the diagnosis of infection”
2. Ken Davis, MD, 1997  
“Fixation methods of the Tibial Tubercle Osteotomy”
3. Pat Vaughn, MD, 1998  
“Gene expression in aggressive osteolysis”
4. Bill Satterfield, MD, 2000  
“Mechanical testing of femoral strut allografts”
5. Paul Caldwell, MD, 2002  
“Dynamic testing of tibial tubercle fixation”
6. Cy Kump, MD, 2000  
“Cell viability of stored osteochondral allografts”
7. Drew Noble, MD, 2003  
“Mechanical Testing of the extended trochanteric osteotomy”

c. Medical Students

Instructor in Orthopaedics – Massachusetts General Hospital, Harvard Medical School

- Instruction of medical students and residents on the Trauma service at MGH, organization of fracture, Pediatrics and Grand rounds conferences – July 1990 – December 31, 1990

Assistant in Surgery - Massachusetts General Hospital, Harvard Medical School

- Instruction of medical students and residents on the Adult Reconstruction Service at MGH, giving arthroplasty teaching conferences – July 1991 – July 1992

Mentor - M3 and M4 students in Orthopaedic Surgery 2004 – Present

Mentor – M1 students – 2007-08

- Teaching the elements of musculoskeletal history and physical exam

Member – Doctoral committee - Dept. of Anatomy,

- Mengnai Li, MD, PhD. 2003

Member – Doctoral committee – MD/PhD Program

- James Schluss 2001

## **INVITED LECTURES AND PRESENTATIONS**

### **National:**

"In-situ Hybridization to Localize C-SIS Proto-Oncogene Expression in Dupuytren's Fibromatosis" Poster Exhibit - International Association of Pathologists (IAP) Annual Meeting, March 16, 1992, Atlanta, GA.

"Differences in Polyethylene Wear Between Total Hip and Total Knee Prostheses", 2nd Annual Harvard Knee Course, April 9, 1992, Boston, MA.

"The Long Term Effects of Flexion Deformities of the Scaphoid" Poster Exhibit – The Ninth Combined Meeting of the Orthopaedic Associations of the English Speaking World, June 21-26, 1992, Toronto, Canada.

"Cellular Basis for Osteolysis around Joint Prostheses" 21st Annual Harvard Hip Course Sept. 18, 1992, Boston, MA.

"Long Term Outcomes of Russe Bone Grafts: The Effect of Malunion of the Scaphoid". American Society for Surgery of the Hand, 47th Annual Mtg., Nov. 12, 1992, Phoenix, AZ.

"Immunopathologic Responses to Alloplastic Joint Materials" American Association of Oral & Maxillofacial Surgeons TMJ Implant Conference, Nov. 20, 1992, Chicago, IL.

"Reactions to Particulate Debris in Immunodeficient Mice", Orthopaedic Research Society 39<sup>th</sup> Annual Mtg., Feb. 15, 1993, San Francisco, CA.

"Particulate Wear Debris - What is it, where does it come from, what does it do, and how do we avoid it?" Virginia Orthopaedic Society Mtg., May 2, 1993, Williamsburg, VA.

"Cytokines: Which ones from which cells cause osteolysis?" 22<sup>nd</sup> Harvard Hip Course, Sept 22, 1993, Boston, MA.

"Lymphocytes as a Percentage of Total Cell Population in the Interface Membranes of Failed Total Joint Arthroplasties", Poster Exhibit - 40th Annual Mtg. of the Orthopaedic Research Society, Feb. 20, 1994, New Orleans, LA.

"IL-6 is not produced in cases of slow osteolysis around joint prostheses", International Society for Biomaterials Annual Mtg., March 1994, Boston, MA.

"Macrophage deficient mice respond differently to particulate polyethylene than normal or lymphocyte deficient mice" Poster Exhibit - 41st Annual Mtg. Of the Orthopaedic Research Society, Feb. 12-15, 1995. Orlando, FL.

"Tissue at the interface of failed joint prostheses contains activated mast cells", Poster Exhibit - 41st Annual Mtg. of the Orthopaedic Research Society, Feb. 12-15, 1995, Orlando, FL.

"Interleukin 6 is not expressed in cases of slow linear osteolysis, but it is produced in cases of aggressive osteolysis, 2<sup>nd</sup> Meeting of the Combined Orthopaedic Research Societies, Nov. 8, 1995, San Diego, CA.

"Different Layers of the interface membrane around failing total joint replacements have different cell populations and cytokine production." Poster presentation, Orthopaedic Research Society 42<sup>nd</sup> Annual Meeting, Feb. 3, 1996, Atlanta, GA.

"Use of the Polymerase Chain Reaction (PCR) to Improve Diagnostic Accuracy in THR Aspiration, Harvard Hip Course, Oct. 2, 1996, Cambridge, MA.

"Biologic Mechanisms of Loosening in Cemented Acetabular Components, Harvard Hip Course, Oct. 3, 1996, Boston, MA.

"Arthritis of the Hip: Magnitude of the problem and its cost", Harvard Hip Course, Oct. 4, 1996, Cambridge, MA.

"Late Migration of Plasma Sprayed Titanium Cementless Acetabular Components inserted without Screws" Harvard Hip Course, Oct 5, 1996, Boston, MA.

"Osteolysis: Is It A Problem in TKA and Where Does It Occur? Arthroscopy and Reconstructive Surgery, Jan 17, 1997, Sun Valley, ID

"Thoughts on TKA in the World of Managed Care & Cost Containment?" Arthroscopy and Reconstructive Surgery - Jan 18, 1997, Sun Valley, ID

"Bone Resorption in Osteoarthritic Cysts Demonstrates a Similar Cytokine Profile as Osteolytic Lesions Around Joint Implants." Orthopaedic Research Society, 43<sup>rd</sup> Annual Meeting, Feb 21, 1997, San Francisco, CA.

"Exposures: Tibial Tubercle Osteotomy Technique", Contemporary Techniques Total Hip & Knee Arthroplasty - Grand View Lodge, June 26, 1997, Nisswa, MN.

"Leg Length Inequality: Prevention and Management", Contemporary Techniques Total Hip & Knee Arthroplasty - Grand View Lodge, June 26, 1997, Nisswa, MN.

"New Techniques for the Diagnosis of Infected Joint Arthroplasties." Russell Hibbs Society Meeting, July 2, 1997, Salishan Lodge, OR

"Migration of Press Fit Cementless Acetabular Components." Russell Hibbs Society Meeting, July 4, 1997, Salishan Lodge, OR

"The Biology of Osteolysis." Harvard Hip Course, Sept 24, 1997, Boston, MA.

"What clinical presentations tell us of underlying biologic behavior in periprosthetic osteolysis. Workshop presentation – Implant Loosening: How Much of a Problem? Orthopaedic Research Society, 44<sup>th</sup> Annual Meeting, March 16, 1998, New Orleans, LA.

"Different Messenger RNA expression between Aggressive and Linear Osteolysis around failing Total Joint Implants" Poster presentation, Orthopaedic Research Society, 44<sup>th</sup> Annual Meeting, March 16, 1998, New Orleans, LA.

"Defect in Procollagen Type III Processing in Failed Tendon and Fascial Grafts used for Anterior Cruciate Ligament Reconstruction", Poster Presentation, Orthopaedic Research Society, 44<sup>th</sup> Annual Meeting, March 16-19, 1998, New Orleans, LA.

"Factors Affecting PCR based Molecular Detection of Synovial Fluid Infection", Paper 283, Orthopaedic Research Society, 44<sup>th</sup> Annual Meeting, March 19, 1998, New Orleans, LA.

"Late rotational migration of press-fit hemispheric acetabular components inserted without screws. Poster exhibit, American Academy of Orthopaedic Surgeons 65th Annual Meeting, March 19-23, 1998, New Orleans, LA.

“Polymerase Chain Reaction vs. Culture Techniques in the Diagnosis of Infected Total Joint Arthroplasty. Paper 262, American Academy of Orthopaedic Surgeons 65<sup>th</sup> Annual Meeting, March 21, 1998, New Orleans, LA.

“Tibial Tubercle Osteotomy in TKR”, 3rd Annual Alaska Hip/Knee Meeting, June 16, 1998, Sitka, AK.

“Implant Selection in TKR”, 3rd Annual Alaska Hip/Knee Meeting, June 17, 1998, Sitka, AK.

“Preventing Dislocation in THR”, 3rd Annual Alaska Hip/Knee Meeting, June 17, 1998, Sitka, AK.

“Results of the Mallory-Head Acetabular Component at mean 9.6 yr. Follow-up, Harvard Hip Course, Sept. 17, 1998, Boston, MA.

“PCR in the Diagnosis of Infection” Harvard Hip Course, Sept. 17-19, 1998, Boston, MA.

“The Role of Pelvic Osteotomy in Treatment of the Adult Hip Arthritis” Arthritic Hip and Knee Symposium, Oct. 1, 1998, Williamsburg, VA.

“Exposure Options in Difficult Total knee Replacements”, Orthopaedic Grand Rounds – New England Baptist Hospital, November 11, 1998, Boston, MA

“Effect of sample types on the diagnosis of prosthetic joint infection”, Poster Presentation, 45<sup>th</sup> annual Meeting of the Orthopaedic Research Society, February 1-4, 1999, Anaheim, CA

“Simultaneous Labeling of Proteases and Protease RNA of Mast Cells of Periprosthetic Tissue” Poster Presentation, 45<sup>th</sup> annual Meeting of the Orthopaedic Research Society, February 1-4, 1999, Anaheim, CA.

“Effect of Sample Types on diagnosis of Prosthetic Joint Infection”, Paper 0396, Orthopaedic Research Society Annual Meeting, Feb 21, 1999, Anaheim, CA.

“Effect of Synovial Fluid pH on PCR based diagnosis of Joint Infection”, Paper 0392 Orthopaedic Research Society Annual Meeting, Feb 21, 1999, Anaheim, CA.

“Labral Tears of the Hip: Diagnosis, Treatment, Results. Annual Meeting of the Virginia Orthopaedic Society, April 30<sup>th</sup>, 1999, Williamsburg, VA.

“Molecular and Biochemical evaluation of reparative fibrocartilage in a canine knee”. Annual Meeting of the Virginia Orthopaedic Society, April 30<sup>th</sup>, 1999, Williamsburg, VA.

“Primary Acetabular Reconstruction: The Virginia Experience”, 1999 Harvard Hip Course, September 29, 1999, Cambridge, MA.

“Dislocation: Causes, Prevention and Treatment: Constrained SROM Sockets” Harvard Hip Course, September 30, 1999, Cambridge, MA.

“Impaction Grafting: Variations in Preparations and Costs of Bone Graft” Harvard Hip Course, Oct.1, 1999, Cambridge, MA.

“Effect of Storage Conditions of joint Fluid on Diagnostic Techniques of Joint Infection: Bacterial Culture vs. PCR based Detection”, Paper 1082, Annual Meeting of the Orthopaedic Research Society, Feb 19, 2000, Orlando, FL.

“Role of pN Collagen III in Determining Fibril Diameters of Tendon Grafts used for Anterior Ligament Reconstruction”, Paper 0805, Annual Meeting of the Orthopaedic Research Society, Feb 19, 2000, Orlando, FL.

“Rotational Migration of Cementless Acetabular Components: a new failure mechanism? Grand Rounds, Medical College of Wisconsin, April 14, 2000, Milwaukee, WI.

“Allograft Prosthetic Composites” 2000 Harvard Hip Course, September 20-23,2000. Cambridge, MA.

“Commercially Available Databases for Hip Arthroplasty”, Harvard Hip Course, September 20-23, 2000, Cambridge, MA.

“The effect of Antibiotics on PCR results in Joint Arthroplasties, Poster Presentation, 47<sup>th</sup> Annual meeting of the Orthopaedic Research Society, Feb. 2001, San Francisco, CA.

“Antibiotic Cement”, 2001 Harvard Hip Course, September 2001, Cambridge, MA.

“Hybrid THA: Techniques, Indications, Results: “Uncemented Sockets”, Instructional Course Lecture #102, AAOS Annual Meeting, Feb. 2002, Dallas, TX.

“Biochemical Evaluation of Stress Protected Reparative Fibrocartilage”, Poster Presentation, 48<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, Feb. 10-13, 2002, Dallas, TX

“Biomechanical Comparison of Cortical Allograft Struts”, Poster Presentation, 48<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, Feb. 10-13, 2002, Dallas, TX.

“Biomechanical Testing of the Extended Trochanteric Osteotomy”, Poster Presentation, 48<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, Feb. 10-13, 2002, Dallas, TX.

“Relationship of acetabular dysplasia to results of arthroscopic treatment of acetabular labral tears”, Poster Presentation #447, AAOS Annual Meeting, Feb. 10-13, 2002, Dallas, TX.

“The S-ROM Constrained Acetabular Component – 2 to 7 year results”, Poster Presentation #016, AAOS Annual Meeting, Feb. 13-16, 2002, Dallas, TX.

“Tibial Tubercle Osteotomy for Revision Total Knee Arthroplasty”, Paper # 60, AAOS Annual Meeting February 23, 2002, Dallas, TX.

“Real-Time-RT-PCR Analysis of OPG and RANKL Expression in Cultured Fibroblast and Macrophage Cells: Implications for Linear Periprosthetic Osteolysis, Poster Presentation, 49<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, Feb 2-4, 2003, New Orleans, LA.

“Chondrocyte Apoptosis in Human Articular Cartilage Stored at 4°C in Tissue Culture Medium For an Extended Period”, Poster Presentation, 49<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, Feb. 2-4, 2003, New Orleans, LA.

“Proactive Techniques to Improve Legislative Surveillance and Negotiation by State Orthopaedic Societies: Patient Safety Issues, Malpractice Crisis, Scope of Practice Issues”, Poster Exhibit SE 411, 70<sup>th</sup> Annual Meeting of the American Association of Orthopaedic Surgery, Feb. 5-9, 2003, New Orleans, LA.

“Role of Antibiotic Bone Cement in Orthopaedic Surgery”, Poster Exhibit SE 610, 70<sup>th</sup> Annual Meeting of the American Association of Orthopaedic Surgery, Feb. 5-9, 2003, New Orleans, LA.

“Video Techniques: Cementing a Liner into a well-fixed metal shell”, Open Meeting of the Hip Society, February 2003, New Orleans, LA.

“Dislocation of THR : Prevention and Management”, Instructional Course Lecture #193 How to Perform the Difficult Primary THR, AAOS February 2003, New Orleans, LA.

“Indications for High Tibial Osteotomy”, Maximizing Performance in Total Joint Arthroplasty, May 14, 2003, Miami, FL.

“A Skeptics View of MIS”, Maximizing Performance in Total Joint Arthroplasty, May 14, 2003, Miami, FL.

“Tapered Stems – Pros/Cons”, Maximizing Performance in Total Joint Arthroplasty, May 14, 2003, Miami, FL.

“Xenotransplantation: Challenges & Choices in Orthopaedic Surgery” AAOS Committee on Biological Implants, Scientific Exhibit 077, 71<sup>ST</sup> Annual Meeting of the American Association of Orthopaedic Surgery, February 2004, San Francisco, CA.

“Torsional Stability of Cemented Femoral Implants Following Extended Trochanteric Osteotomy,” Poster Presentation, 50<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, 2004. San Francisco, CA.

“Biomechanical Comparison of Two Methods for Tibial Tubercle Osteotomy Fixation,” Poster Presentation, 50<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, 2004. San Francisco, CA.

“Dynamic confirmation of fixation techniques of the tibial tubercle osteotomy.” Caldwell PE, Bohlen BA, Wayne JS, Owen JR, Jiranek WA, Harris B, Brown MH: 71<sup>st</sup> Annual Meeting of AAOS, March 2004 San Francisco, CA

“Antibiotic-Loaded Bone Cement in Aseptic Total Joint Replacement: Why, Wherefores, and Caveats – Orthopaedic Device Forum”, Scientific Exhibit 086, 71<sup>st</sup> Annual Meeting of the American Association of Orthopaedic Surgery, March 2004, San Francisco, CA.

“Techniques to Avoid Dislocation” Instructional Course #262 “How to Perform Difficult Primary THA”, Annual Meeting of the American Academy of Orthopaedic Surgeons, March 2004, San Francisco, CA.

“The Difficult Hip: Avoiding Dislocation”, Instructional Course Lecture 262, 71<sup>st</sup> Annual Meeting of the AAOS, March 11, 2004, San Francisco, CA.

“Video Techniques in Revision Total Hip Arthroplasty – Cementing a Liner into a well fixed acetabular shell”, Symposium L, 71<sup>st</sup> Annual Meeting of the AAOS, March 11, 2004 - San Francisco, CA.

“Torsional Failure of the Extended Trochanteric Osteotomy for Revision Hip Arthroplasty”, Annual Meeting of the American Orthopaedic Association, June 2004, Boston, MA.

“Exposure in the Stiff Knee”, Anderson Orthopaedic Institute Advanced Technologies in Total Knee Replacement, June 4, 2004, Washington, DC

“Remodeling Changes around Tapered Cementless Femoral Components”, Anderson Orthopaedic Institute Advanced Technologies in Total Hip Arthroplasty, June 5, 2004, Washington, DC.

“Exposure of the Stiff TKA: Tricks of the Trade”, 2<sup>nd</sup> Annual UVA Orthopaedic Subspecialty Meeting, Total Joint Replacement: Hip & Knee, October 2004, Charlottesville, VA.

“Unicondylar Knee Arthroplasty: Too Many Too Soon?”, 2<sup>nd</sup> Annual UVA Orthopaedic Subspecialty Meeting, Total Joint Replacement: Hip & Knee, October 2004, Charlottesville, VA.

“Exposure for Revision THA: Expand your Arsenal”, 2<sup>nd</sup> Annual UVA Orthopaedic Subspecialty Meeting, Total Joint Replacement: Hip & Knee, October 2004, Charlottesville, VA.

“Bulk Acetabular Allografts”, Controversies in Total Joint Arthroplasty, Feb. 2005, Whistler, BC

“Bulk Acetabular Allografts”, Controversies in Total Joint Arthroplasty, Feb 2005, Vancouver, BC

“Assessment of joint infection following arthroplasty: PCR detection versus bacterial culture.” 51<sup>st</sup> Annual Meeting of the Orthopaedic Research Society, February 2005, Washington, DC.

“Xenotransplantation: Challenges & Choices in Orthopaedic Surgery” AAOS Committee on Biological Implants, SE077, 72<sup>nd</sup> Annual Meeting of the American Association of Orthopaedic Surgery, February 2005, Washington, D.C.

“Assessment of Joint Infection Following Arthroplasty: PCR detection vs. Bacterial Culture, Orthopaedic Research Society Annual Meeting, March 2, 2005, Washington, DC

“Cell Typing of RANKL Expression in Fibroblasts and characterizing the RANKL/OPG Ratio in Periprosthetic Osteolysis of total joint revision”, Orthopaedic Research Society Annual Meeting, March 2, 2005, Washington, DC

“Comparing the Midvastus to the Median Parapatellar Approaches”, Knee Reconstruction Section, MIS meets CAOS Symposium, May 21, 2005, Indianapolis, IN.

“Arthroscopic Unicondylar Arthroplasties, Pie in the Sky?” MIS meets CAOS Symposium, May 21, 2005, Indianapolis, IN.

“RANKL emanates from a multinuclear cell type in the periprosthetic membrane, Orthopaedic Research Society Annual Meeting, Feb 26, 2006, Chicago, IL.

“Xenotransplantation: Challenges & Choices in Orthopaedic Surgery” AAOS Committee on Biological Implants, SE077, 73<sup>rd</sup> Annual Meeting of the American Association of Orthopaedic Surgery, March 2006, Chicago, IL.

“Infection in TKR : Advances in Diagnosis and Early Management”, 7th Annual Arthritis and Arthroplasty Course, Sept 15, 2006, Washington, DC

“Real Time PCR vs, Standard PCR in detecting Methicillin Resistant Staphylococcal Joint Infection”, Orthopaedic Research Society Annual Meeting, Feb 22, 2007, San Diego, CA.

“Periprosthetic Osteolysis RANKL staining associates with TACE and distinct markers of Fibroblast Origin, Chymase and Calcitonin Receptor, Orthopaedic Research Society Annual Meeting, Feb 22, 2007, San Diego, CA.

“The Virginia Joint Registry: Lessons learned for State Registries”, Closed Meeting of the Hip Society, Sept. 8, 2007, Pasadena, CA.

“Mechanical Effects of the Extended Trochanteric osteotomy”, Technological Advances in Revision Surgery, Sept. 15, 2007, Pinehurst, NC.

“Antibiotic Cement for Prophylaxis in Elective Joint Replacement, Harvard University Annual Advances in Arthroplasty, Sept 26, 2007, Cambridge, MA.

“Osteolysis – Problem Solved?” Harvard University Annual Advances in Arthroplasty, Sept 27, 2007, Cambridge, MA.



“Dealing with the Positive Intraoperative Culture”, Annual Advances in Arthritis and Trauma, Sept 28, 2007, Washington, DC

“The Young Arthritic Knee- Decision To Replace – Total Knee Replacement “, Annual Advances in Arthritis and Trauma, Sept 28, 2007, Washington, DC

“Options in Unicompartmental Arthritis of the Knee”, Annual Advances in Arthritis and Trauma, Sept 29, 2007, Washington, DC

“Alternative Bearing Options in THR”, Annual Advances in Arthritis and Trauma, Sept 29, 2007, Washington, DC

“Periprosthetic Fractures of the Hip – When to watch, when to fix, and when to revise? Innovative Techniques in Primary and Revision Total Hip Arthroplasty” AAOS Orthopaedic Learning Center, 25 October, 2007, Rosemont, IL.

“MIS vs Traditional Incision in TKR”, Transforming Orthopaedics: Advanced Outcomes and Techniques, Feb 1, 2008, Vail, CO.

“Femoral Revision : Everything you need to know”, Transforming Orthopaedics: Advanced Outcomes and Techniques, Feb 2, 2008, Vail, CO.

“Instability: Constraint vs big heads: How do you choose?”, Hip Society Specialty Day, February 28, 2009, Las Vegas, NV

“Biosynthesis and Processing of Spp24 in association with mineralized-tissue formation by differentiating osteoblasts derived from human bone marrow mesenchymal precursor cells. Orthopaedic Research Society Annual Meeting, Mar 3, 2008, San Francisco, CA.

“The Virginia Joint Registry: Lessons learned for State Registries”, HWB Foundation and AAOS SIG, March 6, 2008, San Francisco, CA.

“Overview of Surface Replacement of the Hip”, Combined ORS-AAOS Symposium, AAOS Annual Meeting, March 6, 2008, San Francisco, CA.

“Management of the Difficult Primary THR: Treatment of Proximal Femoral Deformity”, Combined ORS-AAOS Symposium, AAOS Annual Meeting, February 24, 2009, Las Vegas, NV.

“Innovative Techniques in Primary and Revision Total Hip Arthroplasty #3323”, AAOS/AAHKS, October 1 – 3, 2009, Rosemont, IL.

“UKA Indications/Patient Selection/Results”, October 9, 2009, Denver, CO

“Indications and Implants for Medial Partial Knee Arthroplasty: Case Based”, October 16-18, 2009, New Albany, OH

“Issues in Primary THR – Best Practice” 2010 AAOS annual meeting ICL #265, March 11, 2010., New Orleans, LA

“How to do a revision total hip arthroplasty”, 2010 AAOS annual meeting March 11, 2010., New Orleans, LA

“Issues in Primary THR – Best Practice” ICL /#268, March 11, 2010., New Orleans, LA

“Registry Data for Partial Knee Replacement” - Controversies in Joint Replacement ICJR Spring Hip and Knee Course April 16-18, 2010, Kiawah Island, SC.

“Dealing with periprosthetic fractures” Controversies in Joint Replacement - ICJR Spring Hip and Knee Course April 16-18, 2010, Kiawah Island, SC.

“Overview of femoroacetabular impingement,” Controversies in Joint Replacement - ICJR Spring Hip and Knee Course April 16-18, 2010, Kiawah Island, SC

“TLR9 and TLR2 play critical roles in recognition of MRSA and MSSA in human mesenchymal stem cells” poster presentation Experimental Biology meeting, April 24-28, 2010, Anaheim, CA

“The Role of Peri-Operative Arthroscopy in Partial Knee Arthroplasty – Opposition” 4<sup>th</sup> Annual Contemporary Issues in Partial Knee Arthroplasty June 4-6, 2010, Dublin, OH

“Sports after Partial Knee Arthroplasty versus Total Knee Arthroplasty” 4<sup>th</sup> Annual Contemporary Issues in Partial Knee Arthroplasty June 4-6, 2010, Dublin, OH

“Key Note Address: Incidence of Partial Knee Arthroplasty” 4<sup>th</sup> Annual Contemporary Issues in Partial Knee Arthroplasty June 4-6, 2010, Dublin, OH

“TLR 9 and TLR2 Play Critical Roles in Recognition of MRSA and MSSA in Human Mesenchymal Stem Cells”, The Knee Society 2010 Members Meeting, Sept. 9, 2010, Rochester, MN

“Factors Associated with Failure of Arthroscopic Treatment of Labral Tears in Pincer Type Femoroacetabular Impingement”, 2010 Summer Meeting of The Hip Society, Sept 24, 2010 New York, NY

“Primary THA – Surgical Technique – Femoral Preparation and Implantation” A Patient Specific approach to the Arthritic Hip & Knee 2011 ICJR Meeting, Jan. 12-16, 2011 Vail, CO

“How to do a Revision THA” 2011 AAOS Annual Meeting, February, 2011 San Diego, CA

“Complications After total Hip Arthroplasty” – Thirty ninth Open Meeting of the Hip Society and Seventeenth Combined Open Meeting of the Hip Society and AAHKS, February 2011 San Diego, CA

“Femoroacetabular Impingement”, Controversies in Joint Replacement - ICJR Spring Hip and Knee Course 2<sup>nd</sup> Annual Meeting April 14-16, 2011, Kiawah Island, SC

“Overstuffing the Medial Compartment in Medial UKA: What is the Effect on Lateral Compartment Pressure?” 5<sup>th</sup> Annual Contemporary Issues in Partial Knee Arthroplasty (CIPKA), June 3-5, 2011, Columbus, OH

“Is Partial Knee replacement Under Utilized?” 5<sup>th</sup> Annual Contemporary Issues in Partial Knee Arthroplasty (CIPKA), June 3-5, 2011, Columbus, OH

“Case Presentations: Femoral Revisions” AAOS/AAHKS Total Hip Arthroplasty: From Primary to Revision #3468 September 8-10, 2011, Orthopaedic Learning Center, Rosemont, IL

“Lateral vs Medial Unicompartmental knee Arthroplasty Using the Same Prosthesis Design” 2011 Members Meeting of the Knee Society, September 15-17, 2011 London, Ontario, Canada

“Femoral Neck Retroversion as a Cause of Femoroacetabular Impingement: A Biomechanical Model.” 2011 Summer Meeting of the Hip Society Scientific Program, September 22-24, 2011 New Albany, OH

“Chondral Injury in Femoroacetabular Impingement (FAI) – Where and How Does It Occur.” Carl T. Brighton Workshop, November 16-17, 2011, Tampa, FL

“Specialized Imaging Centers to Avoid Duplication and Poor Imaging.” Carl T. Brighton Workshop, November 16-17, 2011, Tampa, FL

“A Novel Method for Determining Acetabular Orientation from 3-D Scans” 2012 AAOS Annual Meeting, February, 2012, San Francisco, CA

“Stability of Press Fit Acetabular Components Under Rotational Forces” September 2012, the 2012 Summer Meeting of the Hip Society, Rochester, MN

“Validity and Reliability of Radiographic Knee Osteoarthritis Measure By Arthroplasty Surgeons” September 2012, The Knee Society 2012 Members Meeting, Garden City, NY

“Contemporary Concepts in Hip Preservation – Hip Arthroscopy” American Association of Hip and Knee Surgeons 22<sup>nd</sup> Annual Meeting, November 2012, Dallas, TX

“Managing Complications during THA: Femoral Stem choice & Bearing Surfaces – Red Flag Patient, Unacceptable Cup Position, Wrong Stem Size” A video based symposium - “Surgical approaches for Removing Well-Fixed Components.” AAOS Adult Hip Webinar: Small group discussions December, 2012, January and February 2013

“Managing Complications after Arthroplasty Part 4: Safe Removal of Well-Fixed Components and Reconstruction Planning: A video based symposium - “Surgical approaches for Removing Well-Fixed Components.” AAOS Adult Hip Webinar: Small group discussions December, 2012, January and February 2013

“Adult Reconstruction Hip III: Revision Total Hip Arthroplasty.” “Essential Surgical Techniques for THA: A video-based symposium - “Surgical Exposure – Posterior”, “Symposium III: Lessons Learned From Long Term Follow-up.” “Symposium VII: Complications of Total Hip Replacements” 2013 AAOS Annual Meeting, March 20-23, 2013, Chicago, IL

“Intraoperative Management of Obese Patients” Forum on Obesity and the Orthopaedic Patient, March 18, 2013, Chicago, IL. 2013 AAOS Annual Meeting, March 20-23, 2013, Chicago, IL

“Principles of Revision TKA” and “Management of Post-Operative Femoral Fractures After TKA” ICJR Philadelphia Revision Course, April 26-27, 2013, University of Pennsylvania, Philadelphia, PA

“Revision Knee Arthroplasty for Flexion Instability Produces Improvement in Patient Reported Outcome” (PRO). “Prevalence in Total Knee (TKA) Arthroplasty in the United States.” The Knee Society Members Meeting, September 19-21, 2013, Toronto, ON

“Long Term Patient Survival Following Total Hip (THA) Arthroplasty.” “The Host Response: Toll Like Receptors (TLR) Expression in Periprosthetic Tissues as a Biomarker for Deep Joint Infection” The 2013 Summer Meeting of the Hip Society, October 3-5, 2013, Charleston, SC

“Inhibition of Methicillin-resistant Staphylococcus aureus (MRSA)-induced cytokines mRNA synthesis in human bone marrow derived mesenchymal stem cells (hMSCs) by 1,25-dihydroxyvitamin D3.” Maiti, A and Jiranek WA (2013) **ASBMR 2013**, Annual Meeting, October 4-7, 2013 at the Baltimore Convention Center in Baltimore, Maryland, USA.

“Arthroplasty Innovation in an Era of Health Care Reform: The Rapidly Changing Scene in Diagnostics, Early Intervention and Joint Replacement” 43<sup>rd</sup> Annual Advances in Arthroplasty Course – faculty member. October 22-25, 2013, Cambridge, MA

“Long Term Patient Survival Following Total Hip (THA) Arthroplasty.” “The Host Response: Toll Like Receptors (TLR) Expression in Periprosthetic Tissues as a Biomarker for Deep Joint Infection” American Association of Hip and Knee Surgeons Annual Meeting. November 8-9, 2013, Dallas, TX

“Lessons Learned from Challenging Cases” – Panel Member “Non-Arthroplasty Management Strategies of the Painful Knee” – Moderator. Moderator - Health Policy/Non-Arthroplasty. American Association of Hip and Knee Surgeons Annual Meeting. November 8-9, 2013, Dallas, TX

“The Host Response: Toll Like Receptors (TLR) Expression in Peri-prosthetic Tissues as a Biomarker for Deep Joint Infection” 2014 AAOS Annual Meeting, March 12-14, 2014. New Orleans, LA.

Annual International Consortium of Orthopedic Registries (ICOR). 2014 AAOS Annual Meeting, March 12-14, 2014. New Orleans, LA.

“Symposium IX: Revision THA, Posterior Approach Extended Trochanteric Osteotomy”. 2014 AAOS Annual Meeting, March 12-14, 2014. New Orleans, LA

Symposium V: “Partial Knee Arthroplasty: State of the Art 2014”. 2014 AAOS Annual Meeting, March 12-14, 2014. New Orleans, LA

Instructional Course Lecture - Session 334: “Complex Primary Total Hip Arthroplasty: A Case Based Approach”. 2014 AAOS Annual Meeting, March 12-14, 2014, New Orleans, LA.

AAOS Obesity Symposium: “Obesity, Orthopaedics and Outcomes - Intraoperative Management of Obese Patients” 2014 AAOS Annual Meeting, March 12-14, 2014. New Orleans, LA

ICL 262 Update on Unicondylar Arthroplasty. Review the most current information on partial knee replacement and address its role in the treatment of arthritis of the knee in 2014. 2014 AAOS Annual Meeting, March 12-14, 2014. New Orleans, LA

“Radiation Dose During The Direct Anterior THA”. 2014 Summer Meeting of The Hip Society. September 11-13, 2014. Durham, NC.

“Appropriateness Criteria for Total Knee Replacement: Are They Appropriate?” 4<sup>th</sup> Annual Swedish Orthopedic Institute Joint Replacement Lecture. October 30, 2014. Seattle, WA.

“Symposium VI “Periprosthetic Joint Infection: An Algorithmic Approach” 24<sup>th</sup> Annual Meeting of the American Association of Hip and Knee Surgeons. November 6-9, 2014. Dallas, TX

(1)“Update on Unicondylar Replacement”, (2)“The Total Knee Infection: From Prevention to Treatment” (3)“Complex Primary Total Hip Arthroplasty: A Case-Based Approach” (4)“How Do I Get Out of This Jam?” Solutions to Common Intraoperative and Early Postoperative Problems in TKA” (5)“Articulations in Total Joint Replacement: Have We Lost Our Bearing?” Education Sessions – 2015 Annual Meeting of the American Association of Orthopaedic Surgeons, March 25-28, 2015. Las Vegas, NV

“Personalized Approach to the Painful Aseptic Total Knee Arthroplasty” Co-presenter. 2015 Annual Meeting of the American Association of Orthopaedic Surgeons, March 25-28, 2015. Las Vegas, NV

“Removal of Components” – video techniques. 2015 Annual Meeting of the American Association of Orthopaedic Surgeons, March 25-28, 2015. Las Vegas, NV

“Highly Cross Linked Polyethylene Has Made Ceramic on Ceramic Bearings Unnecessary – Negative” Symposium G – Great Debates in Total Hip Arthroplasty, Presenter. AAOS annual meeting March 14, 2017

“Lessons learned from Federal Bundled Payment programs” Moderator, Symposium M. AAOS annual meeting March 15, 2017

ICL 461 “Single Stage Revision for PJI “- Moderator and Presenter, AAOS annual meeting March 17, 2017

“Highlights from the 2016 AAHKS Annual Meeting” Knee Society Specialty Day, AAOS annual meeting Presenter - ICL Difficult Primary THR – Faculty March 18, 2017

“It's Not Just About Pain: Postop Surgical and Physical Therapy Goals after Major Joint Surgery - Our Role in ERAS (Enhanced Recovery After Surgery)” American Society of Regional Anesthesia, April 05, 2017

National Orthopaedic Leadership Conference – participant as AAHKS rep to the Board of Specialty Societies (BOS) April 23-27, 2017

“Advances in Pain Management after Hip and Knee Arthroplasty” Symposium 5: Moderator. Periarticular Injection: Rationale and Technique, American Association of Hip and Knee Surgeons - Course co-director - Spring Meeting, May 5-7, 2017. San Francisco, Ca

“Difficult Primary TKR Cases” Moderator. AAOS/ AAHKS Resident Arthroplasty Skills Meeting - faculty member, May 17-19, 2017. Baltimore, MD

“What is the Cost and Frequency of the High Comorbidity Patient (DRG 469) for TKA? Early CJR Results From a Community and University Hospital Within the Same Health System” Knee Society Summer Meeting September 16, 2017. Columbus, OH

“What is the Cost and Frequency of the High Comorbidity Patient (DRG 469) for THA? Early CJR Results From a Community and University Hospital Within the Same Health System” Hip Society Summer Meeting October 6, 2017. Omaha, NE

“AAHKS Business Course: The Business of Total Joint Replacement” AAHKS Annual Meeting – Co-Director - November 2, 2017. Dallas, TX

“Managing the Opioid Epidemic: The Role of the Orthopaedic Surgeon and Anesthesiologist” AAHKS Annual Meeting – Moderator /Organizer November 2, 2017. Dallas, TX

“Revision Total Hip and Knee Arthroplasty” AAHKS Annual Meeting – Moderator November 2, 2017. Dallas, TX

“Case Presentations and Controversies in Total Knee Arthroplasty” Orthopaedic Summit 2017 - Panelist December 7-8, 2017. Las Vegas, Nevada

“Debate on Outpatient Total Knee Arthroplasty” Orthopaedic Summit 2017 – Moderator December 7-8, 2017. Las Vegas, Nevada

“Complications of Total Knee Arthroplasty” Orthopaedic Summit 2017 – Panelist December 7-8, 2017. Las Vegas, Nevada

“71-Year-Old Former Marathoner with 15 Degrees Valgus - The Winning Checklist” Orthopaedic Summit 2017 – Presenter December 7-8, 2017. Las Vegas, Nevada

“Metallosis, Trunnionosis, Modular Stems and Pseudotumors: What I Do in 7 Minutes!” Orthopaedic Summit 2017 – Presenter December 7-8, 2017. Las Vegas, Nevada

“Go With What Has Been Around and You Know: Posterior Hip is a Slam Dunk!” Orthopaedic Summit 2017 – Presenter December 7-8, 2017. Las Vegas, Nevada

“Arthroplasty in the Elite Athlete: What I Do and Why I Do It” Orthopaedic Summit 2017 – Presenter December 7-8, 2017. Las Vegas, Nevada

“Patient Selection and Optimization: Coordinating Care for Total Hip Replacement - The Bundle” Orthopaedic Summit 2017 – Presenter December 7-8, 2017. Las Vegas, Nevada

“Case Presentations and Controversies in Total Hip Replacement” Orthopaedic Summit 2017 – Panelist December 7-8, 2017. Las Vegas, Nevada

“Short Stems in THA: Stop Dreaming, Prevent Loosening - Use Standard Length Cementless Stems” Orthopaedic Summit 2017 – Presenter December 7-8, 2017. Las Vegas, Nevada

ICL 182 “Adult Sequelae of Pediatric Conditions” AAOS Annual Meeting – Faculty March 2, 2018. New Orleans, LA

“Orthopaedic Showdowns” – Debate on Intraoperative Pressure Sensors for Total Knee Arthroplasty – “The use of intraop pressure sensors: No, they don’t help!” Presenter March 3, 2018. New Orleans, LA

ICL 301 “Indications and Technique for Single-Stage Revision Total Hip Arthroplasty for Prosthetic Joint Infection” AAOS Annual Meeting – Moderator March 4, 2018. New Orleans, LA

“Innovation, Robotics, and Digital Solutions in Arthroplasty: Evolving Role in the OR and Beyond” “Sensing devices in the OR: too much data without validation is confusing” AAOS/AAHKS Symposium – Presenter/Debater March 6, 2018. New Orleans, LA

“Lateral unis: Not the same as the medial side” Knee Society Specialty Day – Presenter March 7, 2018. New Orleans, LA

“What Risk Factors Are Most Associated with Increased Length of Stay (ie inpatient) After TKA in Medicare Patients?” Health Policy Symposium AAHKS Spring Meeting May 3, 2018 Miami, FL

Faculty Case Discussions Sessions: Primary THA from Simple to Complex, Primary TKA from Simple to Complex, Non Arthroplasty Hip, Revision TKA from Simple to Complex AAHKS Spring Meeting May 4, 2018 Miami, FL

Moderator Breakout Session 5: Revision THA: From Simple to Complex AAHKS Spring Meeting May 5, 2018 Miami, FL

“Highlights from the 2017 AAHKS annual meeting” International Congress of Joint Replacement South June 21, 2018 Ocean Reef, FL

“Single Stage Revision TKA for PJI” International Congress of Joint Replacement South June 22, 2018 Ocean Reef, FL

“Unsolved Problems in THA: Psoas Impingement and Tendinitis” International Congress of Joint Replacement South June 23, 2018 Ocean Reef, FL

ICL 104 “Prepare for Alternative Payment Models and Take Better Care of Your Patients: A Novel System for Hip and Knee Osteoarthritis” AAOS Annual Meeting – Moderator March 12, 2019. Las Vegas, NV

ICL 185 “A Case-Based Approach to Revision Total Hip Arthroplasty: Covering the Bases from Simple to Complex” AAOS Annual Meeting March 12, 2019. Las Vegas, NV

“Elixhauser Comorbidities Can Predict Medical Severity-Diagnosis Related Group Classification in Total Joint Arthroplasty” AAOS Annual Meeting March 12, 2019. Las Vegas, NV

“Early Results of a Longitudinal, Comprehensive Lifestyle and Behavioral Health Management Program for Osteoarthritis” March 12, 2019. Las Vegas, NV

ICL 201 “Indications and Technique for Single-Stage Revision Total Hip Arthroplasty for Prosthetic Joint Infection” AAOS Annual Meeting – Moderator March 13, 2019. Las Vegas, NV

“Albumin Outperforms ASA Score for Predicting Several Postoperative Complications Following Total Joint Arthroplasty” March 13, 2019. Las Vegas, NV

“Who Should Treat Medically Complex Patients Undergoing Total Knee Arthroplasty?” March 13, 2019. Las Vegas, NV

“Patient Subgrouping to Inform Treatment Pathway Development for a Comprehensive Osteoarthritis Care Program” March 13, 2019. Las Vegas, NV

“Large Femoral Heads: How Do They Work and Do They Help?” March 14, 2019. Las Vegas, NV

“Distribution of Non-Arthroplasty Osteoarthritis Costs Prior to Total Knee Arthroplasty” March 14, 2019. Las Vegas, NV

“The Impact of Medical Education on Patient Satisfaction: An Asset or a Liability?” March 14, 2019. Las Vegas, NV

“Latest News and Updates from the Societies: Highlights from AAHKS” ICJR South – Presenter June 27, 2019 Key Largo, FL

“Real Life Orthopaedics” “Management of your Life and Your Practice” ICJR South – Presenter June 27, 2019 Key Largo, FL

“How I Do A TKA” ICJR South – Panelist June 28, 2019 Key Largo, FL

“Challenges Primary Total Knee Cases” ICJR South – Panelist June 28, 2019 Key Largo, FL

“Debate: TKA Bearings and Kinematics” ICJR South – Moderator June 28, 2019 Key Largo, FL

“Infection in TKA: Single Stage Revision for Infection” ICJR South – Presenter June 28, 2019 Key Largo, FL

“Next Generation Sequencing Less Accurate Than Culture in Determining Presence or Absence Of Periprosthetic Knee Infection” Hip Society Summer Meeting – Presenter September 6, 2019 Cape Neddick, Maine

“Next Generation Sequencing (NGS) Less Accurate Than Culture in Determining Presence or Absence of Periprosthetic Knee Infection” The Hip Society September 27, 2019 Kohler, Wisconsin

“Session Two: Primary Total Hip Arthroplasty AAHKS Annual Meeting – Moderator November 9, 2019 Dallas, TX

“Polymerase Chain Reaction Multiplex Provides Minimal Utility in Periprosthetic Joint Infection Diagnosis” AAHKS Annual Meeting November 9, 2019 Dallas, TX

“Debate: 63 Year Old Male Status Post 4 Years Ago Fall Off His Bicycle” Orthopaedic Summit – Moderator December 11, 2019 Las Vegas, NV

“Staying Out Of Trouble In Primary Total Hip” Orthopaedic Summit December 11, 2019 Las Vegas, NV

“All The New Technology, When to Say No, When to Say Yes – My Thoughts” Orthopaedic Summit – Presenter December 11, 2019 Las Vegas, NV

“Complications in THA: Part I – Infections & More Nightmares” Orthopaedic Summit December 11, 2019 Las Vegas, NV

“Complications in THA: Part II – Reconstructing Femoral Bone Loss” Orthopaedic Summit – Presenter December 11, 2019 Las Vegas, NV

“Mini-Debate: Cannabis Is Coming! Does It Have Any Role In Pain Control For The Total Knee Patient In The Legalized State” Orthopaedic Summit – Moderator December 12, 2019 Las Vegas, NV

“The Controversies Continue With Honest Debates – No Playing Nice!” Orthopaedics Summit December 12, 2019 Las Vegas, NV

“Debate: Alignment Matters In Total Knee Arthroplasty” Orthopaedic Summit – Moderator December 12, 2019 Las Vegas, NV

“Debate: 53 Year-Old Status Post Distal Femur Fracture 10 Years Ago Now With A Complex Primary Total Knee Arthroplasty Requesting A Custom Design” Orthopaedic Summit – Moderator December 12, 2019 Las Vegas, NV

“CR VS. PS VS. Medial Stabilized, The MRI & Nonunions” Orthopaedic Summit December 12, 2019 Las Vegas, NV

“Evolving Technique Update: 71 Year –Old Former Marathoner With 15 Degree Valgus – The Wining Checklist Without Nerve Damage” Orthopaedic Summit – Presenter December 12, 2019 Las Vegas, NV

“TKA Cases – Challenge the Experts” Orthopaedic Summit – Presenter December 11-12, 2019 Las Vegas, NV

“The Young Hip: Preservation and Arthroplasty” Hip Society Summer Meeting – Moderator October 1-2, 2020 Virtual

“A Case Complexity Modifier Is Warranted for Primary Total Knee Arthroplasty” Knee Society - Presenter September 11-12, 2020 Virtual

“Outpatient Total Joint Arthroplasty: The New Reality – From Experience to Safety and Economics, A Practical Primer to Ensure Success” AAHKS Annual Meeting – Presenter November 5-8, 2020 Dallas, TX (Virtual)

“Varus-Valgus Constrained Liners in Revision Total Knee Arthroplasty: Mean Clinical Follow-up in 6 Years?” AAHKS Annual Meeting – Presenter November 5-8, 2020 Dallas, TX (Virtual)



“53-Year-Old Construction Worker, BMI 30, Trips On A Lead Pipe 5 Years After Total Knee Replacement Now With An Unstable Knee & Diagnosed With An MCL Rupture: How I Approach This” Orthopaedic Summit- Presenter December 12, 2020 Virtual

“The Chronically Deficient Extensor Mechanism, The Patella Clunk, PS Vs. CR - Why I Pick It, The Periprosthetic Femoral Fracture, The Role Of The Tourniquet Or Lack Thereof, Deformity Corrections, Prior Tibial Plateau Fractures: What I Do, Cementless Tibia” Orthopaedic Summit - Moderator December 12, 2020 Virtual

“53-Year-Old Raquetball Player, Valgus Deformity, Needs A Total Knee Replacement” Orthopaedic Summit – Debate Moderator December 12, 2020 Virtual

“65-Year-Old Retired Railroad Conductor, BMI 45, Bone-on-Bone, Hemoglobin A1C 6.8, Former Smoker” Orthopaedic Summit – Debate Moderator December 12, 2020 Virtual

“53-Year-Old Former World Cup Soccer Champ With Bilateral Knee OA Requesting One Surgery To Solve Her Problem - Bilateral Knee Arthroplasty Not Worth The Risk Nor The Outcome” Orthopaedic Summit – Debate December 12, 2020 Virtual

“Preoperative Optimization For Outpatient TKA: 10 Tips, 10 Minutes” Orthopaedic Summit – Presenter December 12, 2020 Virtual

“Clinical Case Presentations Questions & Answers: Infection, Revision Knee” Orthopaedic Summit – Panelist December 12, 2020 Virtual

“Revision Knee Surgery (All Cementless, When To Use Cement, Tibial Bone Defect, Infected Spacer, Femoral Bone Defect, Chronic Suppression For Infections)” Orthopaedic Summit – Moderator December 12, 2020 Virtual

“Diagnosis of Infection: Current and Future Directions” ICJR South – Presenter April 16, 2021 Virtual

“Two Stage Revision: Indications and Technique” ICJR South – Presenter April 16, 2021 Virtual

“Prepare for Alternative Payment Models (APMs) and Take Better Care of Your Patients: A Novel System for Hip and Knee Osteoarthritis(OA)” – AAOS – Moderator August 31, 2021 San Diego, CA

“Complex Primary THA and TKA” – AAOS – Panelist September 1, 2021 San Diego, CA

### **Regional:**

"Long Term Outcomes of Russe Bone Grafts for Scaphoid Nonunion", New England Hand Society Dec. 6, 1991, Sturbridge, MA.

“Biologic Mechanisms of Loosening in Cemented Acetabular Components”, New England Orthopaedic Society, Nov 22, 1991, Boston, MA.

"Particulate Wear Debris - What is it, where does it come from, what does it do, and how do we avoid it?" Virginia State Orthopaedic Mtg., Williamsburg, VA. (May 2, 1993).

"How Does Prosthetic Wear Debris Cause Osteolysis?" Homestead Seminar for Total Knee, Hip and Shoulder Arthroplasty, July 23, 1993 Hot Springs, VA.

"Distinguishing Septic from Aseptic Loosening", Homestead Seminar for Total Hip and Knee Arthroplasty, July 23, 1993, Hot Springs, VA.

"Management of Osteolytic lesions around Total Hip Prosthetic Components" New England Orthopaedic Society, Nov. 15, 1993, Boston, MA.

"Management of Osteolytic lesions around Total Hip Prostheses", Orthopaedic Grand Rounds, June 8, 1994, Charlottesville, VA.

"Management of Osteolytic lesions around Total Hip Prostheses" Orthopaedic Grand Rounds, University of Virginia, June 8, 1994, Charlottesville, VA.

"Periprosthetic Proximal Femur Fracture: Comparison of well-fixed vs. loose femoral components", University of Virginia Orthopaedic Grand Rounds, July 23, 2008, Charlottesville, VA.

"Femoroacetabular Impingement – A novel biomechanical model", Poster presentation, 64<sup>th</sup> Annual Meeting of the Virginia Orthopaedic Society, May 2, 2010, Charlottesville, VA

"Anterior Approach to the Hip vs. Standard Approaches – Standard Approaches", Faculty, 65<sup>th</sup> Annual Meeting of the Virginia Orthopaedic Society, May 5, 2012, Williamsburg, VA

"Advanced Technologies in Total Hip Arthroplasty". Presenter and Moderator, Anderson Orthopaedic Institute, June 7-8, 2012, Alexandria, VA.

"Basic Skills Development in Total Hip and Knee Arthroplasty" 2012 Mid-Atlantic Resident's Arthroplasty Meeting (MARAM). Faculty and Presenter, October 2012, Norfolk, VA

"Modern Techniques in Hip and Knee Reconstruction and Preservation" LifeBridge Health Rubin Institute for Advanced Orthopedics Sinai Hospital of Baltimore August 23, 2013 Baltimore, MD

Maiti A, Cipriano C, Hale G, Jiranek WA(2013). The Host response: Toll like receptor expression in periosthetic tissue as a biomarker for deep joint infection. ***The Thirtieth Daniel T. Watts Research Poster Symposium (October 16<sup>th</sup>, 2013), "a Scientific Forum for the VCU Community", Hermes A. Kontos Medical Sciences Building, Virginia Commonwealth University***

"Fundamentals of Hip and Knee Arthroplasty for Orthopaedic Residents" Director/Faculty Member. Presented by AAOS, AAHKS, Knee Society and Hip Society #3074. May 30-June 1, 2014 Baltimore, MD

"It's Not Just About Pain: Postop Surgical and Physical Therapy Goals after Major Joint Surgery - Our Role in ERAS (Enhanced Recovery After Surgery)" American Society of Regional Anesthesia April 5, 2017

"Preparing for the end of Fee for Service: "Change is Opportunity" to control arthritis care" 22nd Annual Pasternak Lecture, University of Connecticut School of Medicine November 10, 2017 Hartford, CT

"Alternative Payment Models (APMs) and Osteoarthritis: Dead end or Opportunity for the Orthopaedist?" James Wenz Memorial Lecture, Johns Hopkins University April 7, 2018, Baltimore, MD

"Surgical approaches to the Hip: Which one should I use? Answer – Learn them all" Resident Lecture, Johns Hopkins University April 8, 2018, Baltimore, MD

"Hip and Knee Arthritis: Can/Should you manage the entire episode?" Orthopaedic Surgery Grand Rounds, Ohio State University Dept of Orthopaedic Surgery - Visiting Professor. April 12, 2018, Columbus, OH

“What Risk Factors Are Most Associated With Increased Length of Stay (ie inpatient) After TKA in Medicare Patients?” Resident Lecture, Ohio State University Dept of Orthopaedic Surgery - Visiting Professor. April 13, 2018, Columbus, OH

“Implant Selection, Management of Osteolysis, and The Management of Massive Bone Loss” Acetabular Bone Loss Consensus Meeting – Moderator June 21, 2019 New York

“Next Generation Sequencing Less Accurate Than Culture in Determining Presence or Absence of Periprosthetic Knee Infection” The Knee Society, September 5-7, 2019 Cape Neddick, ME

“Health Policy” Moderator – The Knee Society, September 5-7, 2019 Cape Neddick, ME

### **Local:**

“Planning for Revision Arthroplasty”, St. Mary’s Nursing Meeting, October 26, 2002

“Building an Effective Joint Unit” St. Mary’s Hospital Visitation Program, 16 presentations, 1998-2004

“What is a Revision Arthroplasty”, NAON Winter Meeting, Feb. 9, 2005, Richmond, VA

“Hip Arthroscopies” AORN Meeting, Chapter #4702, November 11, 2005, Richmond, VA.

“Healthy Discoveries With the Docs – What’s New in Hips and Knees?” presented to the community at the Lewis Ginter Botanical Gardens, November 17, 2009, Richmond, VA

“Femoral Acetabular Impingement – The Diagnosis and Treatment” VA Athletic Trainers Association, January 15, 2010, Richmond, VA

Healthy Discoveries With the Docs - “Bone up on Treatments for Arthritic Hips and Knees” presented to the community at the Lewis Ginter Botanical Gardens, August 29, 2012

“Use of Tranexamic Acid (TXA) in Orthopaedic Surgery” NAON Winter Meeting, Feb 10, 2013

“It’s Coming: How to survive as a Joint Surgeon in a “Value Based” Payment System” 13th Annual OrthoCarolina Adult Reconstructive Fellows Symposium, July 31, 2020

“Building An Arthritis Network: A Waste of An Orthopaedist’s Time?” Grand Rounds Brigham and Women’s Hospital March 3, 2021 Virtual

### **International:**

"Long Term Results of 2nd Generation Cementing Techniques for Femoral Fixation" 5th Biomaterials Symposium, March 6, 1992, Gottingen, Germany

“Nature of Immune Response to particulate wear debris around prosthetic joints”, Orthopaedic Ground Rounds, Invalid Hospital, Aug. 15, 1994, Helsinki, Finland

"Revision Total Hip Arthroplasty in the Cost Containment Era", 6th Biannual Meeting of the Irish –American Orthopaedic Society, May 5, 1995, Williamsburg, VA.

“Instability in Total Hip Replacement: 10 year Results of a Constrained Acetabular Component”, 55th Annual Meeting of the Association of Bone and Joint Surgeons, May 21, 2003, Paris, France.

“Diagnosis and Treatment of Osteolysis in Total Hip Arthroplasty”, Asian Pacific Arthroplasty Meeting – Current and Future Trends in Hip and Knee Arthroplasty II, April 2004, Queenstown, New Zealand.

“When to use Proximally Coated Stems”, Asian Pacific Arthroplasty Meeting – Current and Future Trends in Hip and Knee Arthroplasty II, April 2004, Queenstown, New Zealand.

“Tapered Stems – Pros/Cons/Technique Tips”, Asian Pacific Orthopaedic Symposium – Innovation in Hips, Knees, and Extremities, April 26, 2004, Brisbane, Australia

“Cementing a liner into a Well-Fixed Shell”, Asian Pacific Orthopaedic Symposium – Innovation in Hips, Knees, and Extremities, April 26, 2004, Brisbane, Australia

“Treatment of the Infected THA”, Asian Pacific Orthopaedic Symposium – Innovation in Hips, Knees, and Extremities, April 26, 2004, Brisbane, Australia, Brisbane, Australia

“Surgical Exposures in Primary and Revision TKA”, Asian Pacific Orthopaedic Symposium – Innovation in Hips, Knees, and Extremities, April 26, 2004, Brisbane, Australia

“Cementing a liner into a well-fixed shell”, Irish American Orthopaedic Association  
May 17, 2007, Charleston, SC

“PAO vs. THR in young patients”, Annual Meeting - Irish American Orthopaedic Association, May 17, 2007, Charleston, SC

“Lateral vs. Medial Unicompartamental Knee Arthroplasty Using the Same Prosthesis Design” The Knee Society 2011 Members Meeting, September 15-17, 2011, London, Ontario Canada

“My Algorithm for The Painful THA” DKOU Annual Congress German Orthopaedic and Trauma Association - Symposium on Complications of Hip and Knee Arthroplasty October 25, 2017, Berlin, Germany

“The problem of Persistent Anterior Knee Pain” DKOU Annual Congress German Orthopaedic and Trauma Association - Symposium on Complications of Hip and Knee Arthroplasty October 25, 2017, Berlin, Germany

“Primary Arthroplasty in the Complex Patient. What do I do Differently in: Patient with Lumbar Spine Fixation” Columbian Orthopaedic Society, August 8, 2019 Cartagena, Columbia

“What do I do in Patella Revision” Columbian Orthopaedic Society, August 8, 2019 Cartagena, Columbia

## **SERVICE TO THE PROFESSION**

Chairman – AAOS Joint Parade 1994- Richmond Section

- No. 1 in nation in participation and funds raised

Participant - AAOS Task Force: Implant Wear: The Future of Total Joint Replacement, Rosemont, IL 1995

Co-Chairman – Kingsmill Arthritic Hip and Knee Symposium, Williamsburg, VA. Oct. 1995, 1997, 1999, 2003

Participant – American College of Surgeons Task Force on Hip Arthroplasty Outcome Studies. 1996-98

Director – Orthopaedic Research of Virginia (ORV) 1996 – 2015

- 501©3 corporation to provide orthopaedic educational services in the state

President – Richmond Orthopaedic Club 1997 –2002

Organize biannual visiting orthopaedic thought leaders

Member – Biologic Implants Committee of the American Academy of Orthopaedic Surgeons (AAOS) 1997-2003 – committee determines AAOS position on biologic implants

Co-Chairman – Sitka Arthritic Joint Symposium, Sitka, Alaska – June 1998

Director – Virginia Orthopaedic Society -1998 –1999

Secretary-Treasurer – Virginia Orthopaedic Society 1999 –2000

Vice-President – Virginia Orthopaedic Society 2000 –2001

Moderator – Podium Presentations Implant Wear – 46th Annual Meeting of the Orthopaedic Research Society, Orlando, FL., March 13, 2000

President – Virginia Orthopaedic Society 2001 – 2002

Moderator – Podium Presentations (Knee Reconstruction) – 47th Annual Meeting of ORS, San Francisco, CA February 26, 2001

Moderator – Anderson Orthopaedic Research Institute’s Annual Fellow’s Conference in Adult Reconstruction, June 4-5, 2004

Member – Central Planning Committee of the AAOS Annual Meeting 2004-2007 – Responsible for planning the educational content of the annual AAOS meeting

Moderator – Hip Reconstruction Podium Presentations, 72nd Annual Meeting AAOS, Washington D.C., Feb. 2005

Section Editor, Adult Reconstruction – Orthopaedic Knowledge Online (OKO) – 2005-2014

Member – American Association of Hip and Knee Surgeons (AAHKS) Membership Committee – 2005 – 2007

Chair – Hip Subcommittee –of the AAOS Central Planning Committee 2005-2008

Moderator – Hip Reconstruction Podium Presentations, 73rd Annual Meeting AAOS, Chicago, IL, March 2006

Member - AAOS CME committee – 2007- 2009

Committee determines the CME course schedule, approves content, and reviews for commercial bias

Chairman – AAHKS Membership Committee – 2008-2009

Moderator – Advances in Arthroplasty, AAHKS 20<sup>th</sup> Annual Meeting, Dallas, TX Nov. 2010

Committee sets membership policy, reviews applications for each year, and prepares slate of potential members to be approved by Board of Directors.

Knee Society Representative – Steering committee for the FORCE TJR Grant from AHRQ – 2011-2015

President – Orthopaedic Learning Center of AAOS, Rosemont, IL March 2014-March 2015

1<sup>nd</sup> Vice President – American Association of Hip and Knee Surgeons (AAHKS) - 2015-2016

President – American Association of Hip and Knee Surgeons (AAHKS) - March 2016 – March 2017

## **SERVICE TO THE COMMUNITY**

Board Member – Central Virginia Chapter – Arthritis Foundation 1996 – 1999

Founder and President – Virginia Joint Registry 2002 – Present

- 501 (c) 3 charitable corporation to provide post market surveillance of Orthopaedic implants

Orthopaedic Consultant – Richmond Cross-Over (Free) Clinic 2002- 2017

Director – Lifenet Health, Virginia Beach, VA. 2003-05, 2006 - 2016

- Largest organ and tissue distribution organization in the Southeast

Member – Grace Church Vestry 2001-2004, 2007- 2009

- Member – Parish Development Committee, Grace Episcopal Church, 1996 – 2017

## **ADMINISTRATIVE/MEMBERSHIP/LEADERSHIP ACTIVITIES**

### **University**

Director, Molecular Section, Orthopaedic Research Laboratory, Medical College of VA  
Richmond, VA July 1997 - 2000

Member – University Taskforce on Industry - University Relationships, appointed 2007- 2013

Physician Leader – Bodies in Motion – Musculoskeletal Center – 2012 - 2017

### **Department**

Chief, Adult Reconstruction Section, 2004 – 2017

Director, Adult Reconstruction Fellowship, 2001-2015

Chair – Program Evaluation Committee – Orthopaedic Residency

Interviewer – Residency and Fellowship candidates 2004 – 2017

- 26 hours per year.

Chairman – Collaborative Practice Group for Hip/ Knee Replacement

- Developed new teaching program for patients
- Developed Physical Therapy Protocols for patients
- Developed anticoagulation protocol for patients

Education Committee Member 2005- 2017

### **Affiliated Institutions**

Member – Credentials Committee, Henrico Doctors Hospital,  
January 1993 – January 1994

Vice-Chairman, Department of Orthopaedics, Henrico Doctor's Hospital, Richmond, VA

January 1993 – January 1994

Member – Medical Executive Committee, St. Mary’s Hospital, January 1998 – 2000

Chairman – Department of Orthopaedic Surgery, St. Mary’s Hospital, 1998-2000

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Date

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Signature of Chair

### **Personal Information**

Faculty members’ preferred familiar name: William Arthur Jiranek, MD

Home address: 212 W. Geer Street Durham, NC 27701 Home Phone # 804-306-4170

Email address: [wjiranek@gmail.com](mailto:wjiranek@gmail.com); [William.jiranek@duke.edu](mailto:William.jiranek@duke.edu)