

ACADEMIC APPOINTMENTS:

January 23, 2009- Present Associate Professor of Radiology, Musculoskeletal Section
Thomas Jefferson University Hospital
Thomas Jefferson University

December, 2002- January 2009 Assistant Professor of Radiology, Musculoskeletal Section
Thomas Jefferson University Hospital
Thomas Jefferson University

LICENSURE:

Commonwealth of Pennsylvania: Unlimited Full Physician License
Issued 06/03/2002
Renewal Date 12/31/2016

Texas Medical Board: Physician License
Issued 06/03/2008
Renewal Date 11/30/2015

Commonwealth of Massachusetts Unlimited Full Physician License
Currently Inactive

Commonwealth of Virginia, full license to practice medicine and surgery
Currently inactive

BOARD CERTIFICATION:

June, 2002 **American Board of Radiology Certification**
December, 2012 **American Board of Radiology Recertification**

EDUCATION:

August, 1990 – May, 1994 M.D., **Georgetown University School of Medicine**
Washington, District of Columbia

August, 1986 – June, 1990 B.S., Biology, **Ursinus College**
Collegedale, Pennsylvania

POSTDOCTORAL TRAINING:

July, 2002 – June, 2003 Musculoskeletal Radiology Fellowship
Thomas Jefferson University Hospital

April, 2001 – March, 2002 Chief Resident, Radiology
Boston Medical Center, Boston University School of Medicine

July, 1998 – Diagnostic Radiology Residency
 June, 2002 **Boston Medical Center, Boston University School of Medicine**
 Boston, Massachusetts

August, 2000 – Musculoskeletal Radiology Visiting Fellowship
 September, 2000 **Cappagh National Orthopedics Institute, Dublin Ireland**

July, 1994 – General Surgery Internship
 June, 1995 **Abington Memorial Hospital**
 Philadelphia, Pennsylvania

U.S. MILITARY: Lieutenant Commander, United States Navy Reserve, Medical Corps
 Commissioned: December 24, 1990
 Active Duty: July, 1995 – August, 1998
 Separated: August 2005

June, 1996 – **General Medical Officer – Primary Care Center, Naval Hospital Groton**
 July, 1998 Groton, Connecticut
 Received accolades for initiating weight control and smoking cessation programs as a part of the New England Wellness Quality Management Board. Provided healthcare and health maintenance to service dependent family members and retirees in a family practice setting.

December, 1995 – **Department Head - Military Sick Call, Naval Medical Center Portsmouth**
 June, 1996 Portsmouth, Virginia
 Management of healthcare and health maintenance for over 2100 personnel at large, shore based medical facility. Successfully alleviated backlog of over 500 separation physicals for medically boarded sailors.

July, 1995 – **Department Head – Medical, General Medical Officer, U.S.S. Guam, LPH 9**
 December, 1995 Homeport: Norfolk, Virginia
 Wardroom officer and department head on active amphibious assault vessel with ship’s company of approximately 800 sailors and additional deployable U. S. Marine Corps component of 400. Responsibilities included sick call, health and immunization maintenance, public health in port, hearing conservation, heat stress monitoring, food and water safety.

May, 1991 – **Officer Indoctrination School**
 July, 1991 Newport, Rhode Island

June, 1995 – **Surface Warfare Medical Officer Indoctrination Course**
 July, 1995 Norfolk, Virginia

August, 1995 – **U. S. Armed Forces Combat Casualty Care Course**
 September, 1995 Fort Sam Houston, Texas

ADMINISTRATIVE APPOINTMENTS:

April, 2001- **Chief Resident**
 March, 2002 Boston Medical Center Department of Radiology

July, 2003- **Director of Musculoskeletal MRI**
 Present Department of Radiology, Thomas Jefferson University Hospital

July, 2003- **Musculoskeletal Fellowship Selection Coordinator**

Present	Department of Radiology, Thomas Jefferson University Hospital
March 2004- December, 2012	Program Director, Musculoskeletal Fellowship Department of Radiology, Thomas Jefferson University Hospital
June 2004- Present	Course Director, Jefferson Musculoskeletal Imaging Symposium Thomas Jefferson University
December 2004- Present	Thomas Jefferson University Radiology Residency Selection Committee Department of Radiology, Thomas Jefferson University Hospital
September 2005- Present	Thomas Jefferson Radiology Curriculum Committee Department of Radiology, Thomas Jefferson University Hospital
March 2006- March 2007	Faculty Advisor, Thomas Jefferson University Medical School Radiology Society Thomas Jefferson University
June, 2006- Present	Thomas Jefferson Radiology Education Committee Department of Radiology, Thomas Jefferson University Hospital
April 2007- July 2013	Medical Director Jefferson Imaging Langhorne
July 2007- Present	Co-Program Director, Combined MR Fellowship Department of Radiology, Thomas Jefferson University Hospital
July 2007- Present	Director of Ambulatory Imaging Services Department of Radiology, Thomas Jefferson University Hospital
July 2007- Present	Medical Director Jefferson Outpatient Imaging Center City
January 2008- July 2011	Medical Director Jefferson Outpatient Imaging King of Prussia
July 2011- Present	Medical Director Jefferson Outpatient Imaging East Norriton
July 2013 Present	Medical Director Independence Imaging
Elected July 2008 Re-Elected July 2010 Re-Elected July 2012 Re-Elected July 2014	Thomas Jefferson Radiology Advisory Committee Department of Radiology, Thomas Jefferson University Hospital
July 2009- Present	Thomas Jefferson Radiology Clinical Operations Committee Department of Radiology, Thomas Jefferson University Hospital
March 2011- Present	Thomas Jefferson University Hospital Musculoskeletal Service Line Committee Thomas Jefferson University Hospital
June 2012- Present	Board Member, Jefferson University Radiology Associates
July 2012- Present	Vice Chair of Clinical Practice, Department of Radiology Department of Radiology, Thomas Jefferson University Hospital

HONORS AND AWARDS:

Athletics Varsity Letters, Ursinus College:

-Football. 1986, 1987, 1988

-Baseball. 1988, 1989, 1990

Beta Beta Beta Biological Honor Society, Ursinus College

Inducted 1989

Bomberger Memorial Academic Scholarship, Ursinus College

Awarded 1986, 1987, 1988, 1989

United States Navy Health Professions Scholarship

Awarded 1990

United States Armed Forces Navy and Marine Corps Achievement Medal

First award, 1996, Naval Medical Center Portsmouth

Gold star in lieu of second award, 1998, Naval Hospital Groton

Certificate of Merit: Education Exhibit:

“Arterial Embolization for Uterine Leiomyomata: Pictorial Essay with MR Imaging”

Radiological Society of North America, 2000 Meeting.

Judy Dubbs Memorial Research Award

Thomas Jefferson University Department of Radiology

Awarded June, 2005

Cum Laude Award: Scientific Exhibit

Athletic Pubalgia and the "Sports Hernia": Optimal MR Imaging of the Pubic Symphysis Region and Pictorial Review of MR Technique and Findings. Omar I, Kavanagh EC, Koulouris G, Meyers WC, Morrison WB, Zoga AC.

RSNA 2006

Invited for publication, Radiographics.

Best Paper

Society of Skeletal Radiology

Athletic Pubalgia and the “Sports Hernia”; What is it, How do I Image it and what are its confounders.

Awarded March, 2007

Judy Dubbs Memorial Research Award

Thomas Jefferson University Department of Radiology

Awarded June, 2007

Best Speaker Award

American Roentgen Ray Society 2009 Meeting

Boston, MA

Awarded January, 2010

Distinguished Service as Reviewer

International Society Magnetic Resonance in Imaging

Journal of Magnetic Resonance Imaging

2011-2012

U.S. News and World report

Top Doctors in Diagnostic Radiology, 2012

Philadelphia Life Magazine
Best Physicians for Women, 2013

Castle and Connelly Top Docs
Musculoskeletal Radiology, 2014, 2015, 2016

Distinguished Educational Exhibit
Oh, My Aching Back! A Review of Spinal Arthropathies. Gardner KR, Smith EB, Zoga AC.
RSNA 20014
Invited for publication, Radiographics.

PROFESSIONAL SOCIETY MEMBERSHIPS, ADMINISTRATIVE POSITIONS:

1998 – 2003	Massachusetts Radiologic Society
1998 – 2003	New England Roentgen Ray Society
1998-Present	Radiologic Society of North America
2000-Present	American Board of Radiology
2001-Present	American Roentgen Ray Society
2002-Present	Pennsylvania Radiologic Society
2003 – Present	Association of University Radiologists
2003 - Present	International Society of Magnetic Resonance in Medicine
2004-Present	Society of Skeletal Radiology
2004-Present	American College of Radiology
2012-Present	International Skeletal Society

Service to Radiological Organizations:

1998 to present	American College of Radiology
	June, 2010 -2014
	Member: Expert Panel on Imaging Appropriateness Criteria: Musculoskeletal Imaging, 2010 - 2014
	Coauthor, ACR Appropriateness Criteria: Bone Tumors
	Musculoskeletal radiology faculty, ACR education center

2001 - Present	American Roentgen Ray Society
	July, 2004 – Present
	Reviewer, <i>AJR</i>
	Educational Course Faculty
	- <i>MRI of athletic pubalgia, 2008, 2009, 2010</i>
	- <i>Imaging Sports Specific Injuries, 2012, 2013, 2014</i>

-*Imaging Athletic Pubalgia and Core Muscle Injury*, 2015
 Scientific Session Moderator, Hips and Pelvis Imaging, 2008
 Instructional Course, RI of Hip Pain and the “Sports Hernia”, 2008
 Scientific Session Moderator, Keynote address, 2007
 Program Committee Abstract Reviewer, 2007
 Scientific Program Musculoskeletal Subcommittee, 2006

- 1998 - Present Radiological Society of North America
 November, 2005-Present
Radiographics Scientific Poster Reviewer
 Reviewer, ***Radiographics***
 Reviewer, ***Radiology***
 Refresher Course Faculty
 -*MRI Sports Injury in the Shoulder*, 2006
 -*Imaging Groin Pain, FAI to Athletic Pubalgia*, 2008
 Educational Course Faculty
 -*Musculoskeletal Radiology Series: Hip and Pelvis*, 2009, 2010, 2011,
 2012.
- 2004 - Present Society of Skeletal Radiology
 January 2007 – Present
 Finance Committee Member, 2007-2009
 Practice Guidelines and Technical Standards Committee, 2013-2017
 SAM presenter, 2013, 2014
 SAM coordinator, 2013
Chair Practice Guidelines and Technical Standards Committee, 2015-2017
 Scientific Session Moderator, 2016
- 2006 – Present Radiology Case Reports, Reviewer
- 2008-2011 International Society for Magnetic Resonance in Medicine
 Weekend Educational Course, “Imaging Athletic Pubalgia”
- 2009 – present Journal of MRI, Reviewer
 Distinguished Reviewer Award, April 20, 2013
- 2011 - present Clinical Orthopaedics and Related research
Reviewer
- 2013 - present Journal of Bone and Joint Surgery
Reviewer
- 2013 - present Osteoarthritis and Cartilage
Reviewer
- 2014 - present European Journal of Radiology
Reviewer

EDITORIAL ACTIVITIES:

- Sep 2006 ‘Hot Topics in Orthopedic Imaging’. Guest Editor: **Zoga AC**, *SeminMusculoskeletRadiol*. 2006
 Sep;10(3):177-86.
- July 2007-
 Present Member of the Editorial Board: *Seminars in Musculoskeletal Radiology*

- Nov 2010 'Normal variants and pitfalls in musculoskeletal', Guest Editor: Morrison WB, **Zoga AC**. MRI. MagnReson Imaging Clin N Am. 2010 Nov;18(4)
- Dec 2011 Imaging of Bone Infection, Guest Editor: Montgomery DD, **Zoga AC**. Techniques in Orthopaedics. 2011 Dec;26(4):223.

PUBLICATIONS:

Book Chapters

1. Imaging Sports Injuries of the Foot and Ankle. **A.C Zoga**, M.E. Schweitzer. *Magnetic Resonance Imaging Clinics of North America*, W.B. Saunders (Elsevier Inc.), Philadelphia, PA. 2003: 11: 295-310
2. Imaging of the Hip. W.B. Morrison, **A.C. Zoga**, *Seminars in Arthroplasty*, W.B. Saunders (Elsevier Inc.), Philadelphia, PA. 2005: 16(1): 10-26.
3. Technical Considerations in MR Imaging of the Hip. **A.C. Zoga**, W. B. Morrison. *Magnetic Resonance Imaging Clinics of North America*, W.B. Saunders (Elsevier Inc.), Philadelphia, PA. 2005: Mar;34(3):125-9. Epub 2005 Jan 13.
4. MRI findings in the subchondral bone marrow: a discussion of conditions including transient osteoporosis, transient bone marrow edema syndrome, SONK, and shifting bone marrow edema of the knee. Gil HC, Levine SM, **Zoga AC**, *SeminMusculoskeletRadiol*. 2006 Sep;10(3):177-86.
5. Naran KN, **Zoga AC**. Osteochondral lesions about the ankle. *RadiolClin North Am*. 2008 Nov;46(6):995-1002.
6. Zajick DC, **Zoga AC**, Omar I M, Meyers WC. Spectrum of MRI Findings in Clinical Athletic Pubalgia. *SeminMusculoskeletRadiol* 2008; 12: 003-012.
7. Shortt CP, **Zoga AC**, Kavanagh EC, Meyers WC. Anatomy, pathology, and MRI findings in the sports hernia. *SeminMusculoskeletRadiol*. 2008 Mar;12(1):54-61.
8. Osseous Trauma of the Knee. **A.C. Zoga**, D. Karasick, *Imaging of the Musculoskeletal System*, Ed: Pope TL, Morrison WB, Beltran J, Elsevier, 2008.
9. Cross sectional imaging of the Hip. Chapter 3:19-29. **A.C. Zoga**, W.J. Malone, *Surgical Treatment of Hip Arthritis: Reconstruction, Replacement, Revision*, Ed: Hozack WJ, Parvizi J, Saunders (Elsevier Inc.), Philadelphia, PA. 2009.
10. Imaging of the Pelvis. **Zoga A C**, Hobbs G P. *Hip and Pelvis Injuries in Sports Medicine*, Guanche C A, Meyers W, Lippincott, 2009.
11. Imaging Mid-Foot Trauma. Raikin S, **Zoga A**. *Orthopaedic Knowledge Update: Foot and Ankle*, Fourth Edition, American Academy of Orthopaedic Surgery 2008.
12. *Diagnostic Imaging: Musculoskeletal Trauma*. Sonin, Manaster, Andrews, CrimTuite, **Zoga**. Amirsys Publishing, Inc 2010.

13. **A.C. Zoga**, F.E. Mullens, W.C. Meyers. The Spectrum of MR Imaging in Athletic Pubalgia. *Radiologic Clinics of North America*, Elsevier, Philadelphia, PA. 2010: Nov;48(6):1179-97.
14. Morrison WB, **Zoga AC**. Preface: Normal variants and pitfalls in musculoskeletal MRI. *MagnReson Imaging Clin N Am*. 2010 Nov;18(4)
15. Imaging of the Active Lifestyle: From the Weekend Warrior to the Pro Athlete. American Roentgen Ray Society Categorical Course Syllabus: **Zoga AC**. Athletic Pubalgia. May, 2011.
16. *American College of Radiology Bone Disease Test and Syllabus, 5th series*. **Zoga AC**, case #9, Adductor Injury. ACR, 2010.
17. Guanche CA, *Hip and Pelvis Injuries in Sports Medicine*: **Zoga AC**, Hobbs GP, Imaging of the Pelvis. Lippincott Williams & Wilkins, 2010.
18. Morrison WB, **Zoga AC**. Preface: Normal variants and pitfalls in musculoskeletal MRI. *MagnReson Imaging Clin N Am*. 2010 Nov;18(4):xi-xiii.
19. Internal derangements: Ligaments and Tendons. Austin AF, **Zoga AC**. *Insall and Scott Surgery of the Knee*. Elsevier, 2011.
20. Matsuda DK, Larson C, Meyers WC, **Zoga AC**: Athletic Pubalgia: Current concepts and evolving management, *Orthopedics Today*, February 2011, 31(2):46,48,50-52.
21. Meyers, WC, Thompson M, Meyers WC, **Zoga AC**, Coleman SH: Thoraco-Abdominal and Pelvic Injuries (Including Athletic Pubalgia, a.k.a. "Sports Hernia"). *Sports Medicine in Baseball*, Lippincott Williams & Wilkins, 35:pp372-382. 2012
22. Kahan DM, Morrison WB, **Zoga AC**, Joseph T, Schoch S, Meyers WC: "Presentation, Imaging and Treatment of Common Musculoskeletal Conditions: MRI-Arthroscopy Correlation. MRI-Arthroscopy Correlation. *Presentation, Imaging, and Treatment of Common Orthopedic Injuries*. Elsevier, September 2011.
23. **Zoga AC**, Meyers WC. Magnetic resonance imaging for pain after surgical treatment for athletic pubalgia and the "sports hernia". *SeminMusculoskeletRadiol*. 2011 Sep;15(4):372-82. Epub 2011 Sep 16.
24. Carty FL, Cashman JP, Parvizi J, **Zoga AC**, Morrison WB. Imaging of the Postoperative Hip. *SeminMusculoskeletRadiol*. 2011 Sep;15(4):357-71. Epub 2011 Sep 16.
25. Macmahon PJ, Murphy DT, **Zoga AC**, Kavanagh EC. Postoperative imaging of the elbow, wrist, and hand. *SeminMusculoskeletRadiol*. 2011 Sep;15(4):340-56. Epub 2011 Sep 16.
26. Montgomery DD, **Zoga AC**. Preface: Imaging of Bone Infection. *Techniques in Orthopaedics*. 2011 Dec; 26(4):223.
27. Delpont AG, **Zoga AC**. MR and CT arthrography of the elbow. *SeminMusculoskeletRadiol*. 2012 Feb;16(1):15-26. Epub 2012 Mar 23.
28. Meyers, WC, Thompson M, Meyers WC, **Zoga AC**, Coleman SH: Thoraco-Abdominal and Pelvic Injuries (Including Athletic Pubalgia, a.k.a. "Sports Hernia"). *Sports Medicine in Baseball*, Lippincott Williams & Wilkins, 35:pp372-382.
29. Meyers WC, **Zoga AC**, Joseph T, Horner M: Current Understanding of Core Muscle Injuries ("Athletic Pubalgia, Sports Hernia"). *Operative Hip Arthroscopy*. 3rd Edition. Springer, 2013, 67-77.
30. Khan W, **Zoga AC**, Meyers WC. Magnetic resonance imaging of athletic pubalgia and the sports hernia: current understanding and practice. *MagnReson Imaging Clin N Am*. 2013 Feb;21(1):97-110. doi: 10.1016/j.mric.2012.09.008.
31. Meyers WC, **Zoga AC**: "Core Muscle Injuries (Athletic Pubalgia, "Sports Hernia", Etc). The Young Adult Hip in Sport. Springer, 2012.

32. Palisch A, **Zoga AC**, Meyers WC. Imaging of athletic pubalgia and core muscle injuries: clinical and therapeutic correlations. *Clin Sports Med.* 2013 Jul;32(3):427-47. Epub 2013 May 8.
33. Shaw C, **Zoga AC**, Percutaneous Musculoskeletal Biopsy. *Clinical Interventional Oncology*, W.B. Saunders, 2013.
34. Carty F, **Zoga AC**, Morrison WB. Chapter 15: Imaging of the Acetabular Labrum. *The Adult Hip: Hip Preservation Surgery*. Eds: John Clohisey, Paul Beaulé, Craig DellaValle, John J. Callaghan, Aaron G. Rosenberg, Harry E. Rubash. Lippincott Williams & Wilkins, 2014.
35. Roedel JB, **Zoga AC**. Imaging of Femoroacetabular Impingement. *The Hip: Preservation, Replacement, and Revision*. Eds: James Cashman MD, Nitin Goyal MD, Javad Parvizi MD, FRCS. Datatrace, 2015.
36. Osseous Trauma of the Knee. **A.C. Zoga**, D. Karasick, *Musculoskeletal Imaging*, Ed: Pope TL, Morrison WB, Beltran J, Elsevier, 2015.
37. Athletic Pubalgia. **AC Zoga**, D. Karasick, *Musculoskeletal Imaging*, Ed: Pope TL, Morrison WB, Beltran J, Elsevier, 2015.
38. Coker DJ, **Zoga AC**. The Role of Magnetic Resonance Imaging in Athletic Pubalgia and Core Muscle Injury. *Top Magn Reson Imaging.* 2015 Aug;24(4):183-91.
39. Wiens C, **Zoga AC**, Imaging Musculoskeletal Injuries Associated with Rodeo Riding. *Imaging in Sports-Specific Musculoskeletal Injuries*. Ed: Guermazi A, Roemer FW, Crema MD. Springer, 2016.

Peer Reviewed Journals

1. **Zoga A**, Lee VW. Pediatric Case of the Day: Tuberculosis Dactylitis and Primary Tuberculosis. *American Journal of Radiology*, 1999; Sep; 173/3, 815-817.
2. Bergin D, Keogh C, Rowe D, Shah B, **Zoga A**, Fitzpatrick P, Eustace SJ. Atraumatic Medial Collateral Ligament Oedema in Medial Compartment Knee Osteoarthritis. *Skeletal Radiology*, 2002 Jan; 31(1): 14-18.
3. Karchevsky M, Schweitzer ME, Carrino JA, **Zoga A**, Montgomery D, Parker L. Lumbar Degenerative Endplate Changes and Association with Body Mass Index. *Skeletal Radiology*. Mar;34(3):125-9.
4. Bergin D, Parker L, **Zoga AC**, Morrison WB. Abnormalities on MRI of the subscapularis tendon in the presence of a full-thickness supraspinatus tendon tear. *AJR Am J Roentgenol.* 2006; Feb; 186(2):454-9.
5. Kavanagh EC, **Zoga AC**, Aboud JA, Koulouris G, Morrison WB. Glenoid Dysplasia: Radiographic, Direct MR Arthrographic and Arthroscopic Appearances. *Radiology Case Reports*, 2006; 1(2):1-2.
6. Vogel-Claussen J, Morrison WB, **Zoga AC**, Bergin D, Gopez A, Fayad LM. Calcific Tendinosis: A Potential Mimicker of Malignancy on PET. *Radiology Case Reports*, 2006; 1(2):38-41.

7. Roberts CC, Morrison WB, Deely DM, **Zoga AC**, Koulouris G, Winalski CS. Use of a Novel Percutaneous Biopsy Localization Device: Initial musculoskeletal Experience. *Skeletal Radiology*, 2007; 2007 Jan;36(1):53-7.
8. Kavanagh EC, **Zoga AC**, Omar I, Ford S, Schweitzer ME, Eustace SJ. MRI Findings in Bipartite Patella. *Skeletal Radiology*. 2007 Mar;36(3):209-14.
9. Elias I, **Zoga AC**, Morrison WB, Besser M, Schweitzer ME, and Raikin S. Osteochondral Lesions of the Talus - Localization and Morphologic Data from over 400 Patients Using a Novel Anatomical Grid Scheme. *Foot Ankle International*. 2007 Feb;28(2):154-61.
10. Lo SL, **Zoga AC**, Peterson JR, Chao W, Elias I, Morrison WB. Stress Fracture of the Distal Phalanx of the Great Toe in a Professional Ballet Dancer. A Case Report. *American Journal of Sports Medicine*, 2007 Mar 2.
11. Elias I, **Zoga AC**, Ballehr LG, Schweitzer ME, Morrison WB, Raikin SM. A specific bone marrow edema around the foot and ankle following trauma and immobilization therapy: pattern description and potential clinical relevance. *Foot & Ankle International*. 2007 Apr;28(4):463-71.
12. E.C. Kavanagh, **Zoga AC**, Gopez AG, Raikin SR, Morrison WB. MRI of Traumatic Rupture of the Spring Ligament Complex with Talao-Cuboid Impaction. *Skeletal Radiology*, 2007 Jun;36(6):555-8.
13. Elias I M D, Pahl MA M D, **Zoga AC M D**, Goins ML M D, Vaccaro AR M D. Recurrent Burner Syndrome Due to presumed cervical spine osteoblastoma in a collision sport athlete - a case report. *J Brachial Plex Peripher Nerve Inj*. 2007 Jun 6;2(1):13
14. Elias I, **Zoga AC**, Raikin SM, Schweitzer ME, Morrison WB. Incidence and morphologic characteristics of benign calcaneal cystic lesions on MRI. *Foot Ankle Int*. 2007 Jun;28(6):707-14.
15. Elias I, **Zoga AC**, Morrison WB, Beltran L, Schweitzer ME, Raikin SM. Osteochondral Lesions of the Distal Tibial Plafond: Location and Morphological Characteristics on MRI. *AJR Am J Roentgenol*. 2007; 188[5S]:A41
16. Kavanagh EC, Koulouris G, Morrison WB, **Zoga AC**, Parker L, Bergin D, Dlugosz JA, Nazarian LN. "Does extended field of view imaging improve the inter-rater reliability of sonography for the detection of rotator cuff muscle atrophy?" *AJR Am J Roentgenol*. 2008 Jan;190(1):27-31.
19. Meyers WC, Yoo E, Devon O, Jain N, Lauencin C, **Zoga AC**. Understanding "Sports Hernia" (Athletic Pubalgia) the Anatomic and Pathophysiologic Basis for Abdominal and Groin Pain in Athletes. *OperTech Sports Med*. 2008; 15:165-177.
19. **Zoga AC**, Kavanagh EC, Omar IM, Morrison WB, Koulouris G, Lopez H, Chaabra A, Domesek J, Meyers WC. Athletic pubalgia and the "sports hernia": MR imaging findings. *Radiology*. 2008 Jun;247(3):797-807.
20. Bergin D, Hochberg H, **Zoga AC**, Qazi N, Parker L, Morrison WB. Indirect soft-tissue and osseous signs on knee MRI of surgically proven meniscal tears. *AJR Am J Roentgenol*. 2008 Jul;191(1):86-92.
21. Elias I, **Zoga AC**, Raikin SM, Peterson JR, Besser MP, Morrison WB, Schweitzer ME. Bone stress injury of the ankle in professional ballet dancers seen on MRI. *BMC Musculoskelet Disord*. 2008 Mar 28;9:39.

22. Elias I, Dheer S, **Zoga AC**, Raikin SM., Morrison WB. Magnetic resonance imaging findings in bipartite medial cuneiform - a potential pitfall in diagnosis of midfoot injuries: a case series. *J Med Case Reports*. 2008 Aug 13;2(1):272.
23. Omar IM, **Zoga AC**, Kavanagh EC, Koulouris G, Bergin D, Gopez AG, Morrison WB, Meyers WC. Athletic pubalgia and "sports hernia": optimal MR imaging technique and findings. *Radiographics*. 2008 Sep-Oct;28(5):1415-38.
24. Meyers WC, McKechnie A, Philippon MJ, Horner MA, **Zoga AC**, Devon ON. Experience with "sports hernia" spanning two decades. *Ann Surg*. 2008 Oct;248(4):656-65.
25. P J MacMahon, S Dheer, S M Raikin, I Elias, W B Morrison, **A Zoga**. MRI of Injuries to the First interosseous Cuneometatarsal. *Skeletal Radiology*. 2009 Mar;38(3):255-60
30. Shortt CP, Morrison WB, Roberts CC, Deely DM, Gopez AG, **Zoga AC**. Shoulder, hip, and knee arthrography needle placement using fluoroscopic guidance: practice patterns of musculoskeletal radiologists in North America. *Skeletal Radiol*. 2009 Apr;38(4):377-85.
31. Raikin SM, Elias I, Dheer S, Besser MP, Morrison WB, **Zoga AC**. Prediction of midfoot instability in the subtle Lisfranc injury. Comparison of magnetic resonance imaging with intraoperative findings. *J Bone Joint Surg Am*. 2009 Apr;91(4):892-9.
32. Leland JM, Ciccotti MG, Cohen SB, **Zoga AC**, Frederick RJ. Teres major injuries in two professional baseball pitchers. *J Shoulder Elbow Surg*. 2009 Apr 10.
33. Elias I, Raikin SM, Schweitzer ME, Besser MP, Morrison WB, **Zoga AC**. Osteochondral lesions of the distal tibial plafond: localization and morphologic characteristics with an anatomical grid. *Foot Ankle Int*. 2009 Jun;30(6):524-9.
34. Shortt CP, Morrison WB, Shah SH, **Zoga AC**, Carrino JA. Association of glenoid morphology and anterosuperior labral variation. *J Comput Assist Tomogr*. 2009 Jul-Aug;33(4):584-6.
35. Meyers WC, Kahan DM, Joseph T, Butrymowicz A, Poor AE, Schoch S, **Zoga AC**. A Current Analysis Of Women Athletes With Pelvic Pain. *Med Sci Sports Exerc*. 2011; 43(8):387-93.
36. Dheer S, Khan M, Zoga AC, Morrison WB. Limitations of radiographs in evaluating non-displaced osteochondral lesions of the talus. *Skeletal Radiol*. 2012 Apr;41(4):415-21. doi: 10.1007/s00256-011-1242-z. Epub 2011 Aug 9.
37. Kavanagh EC, Read P, Carty F, **Zoga AC**, Parvizi J, Morrison WB. Three-dimensional magnetic resonance imaging analysis of hip morphology in the assessment of femoral acetabular impingement. *Clin Radiol*. 2011 Aug;66(8):742-7.
38. Cohen SB, Valko C, **Zoga AC**, Dodson CC, Ciccotti MG. Posteromedial Elbow Impingement: Magnetic Resonance Imaging Findings in Overhead Throwing Athletes and Results of Arthroscopic Treatment. *Arthroscopy*. 2011 Oct; 27(10):1364-70.
39. Mullens FE, **Zoga AC**, Morrison WB, Meyers WC. Review of MRI Technique and imaging findings in athletic pubalgia and the "sports hernia". *Eur J Radiol*. 2012 Dec; 81(12):3780-92.
40. Cohen SB, Towers JD, **Zoga AC**, Irrgang JJ, Makda J, Deluca PF, Bradley JP. Hamstring injuries in professional football players: magnetic resonance imaging correlation with return to play. *Sports Health*. 2011 Sep;3(5):423-30.
41. Dheer S, Silverberg C, **Zoga AC**, Morrison WB. A 14-year-old with lateral knee pain and locking. *Skeletal Radiol*. 2012 Sep;41(10):1315-6, 1339-40.

42. Tuite MJ, Daffner RH, Weissman BN, Bancroft L, Bennett DL, Blebea JS, Bruno MA, Fries IB, Hayes CW, Kransdorf MJ, Luchs JS, Morrison WB, Roberts CC, Scharf SC, Stoller DW, Taljanovic MS, Ward RJ, Wise JN, **Zoga AC**. ACR appropriateness criteria acute trauma to the knee. *J Am Coll Radiol*. 2012 Feb;9(2):96-103.
43. Long NM, **Zoga AC**, Kier R, Kavanagh EC. Insufficiency and nondisplaced fractures of the talar head: MRI appearances. *AJR Am J Roentgenol*. 2012 Nov;199(5):W613-7. doi: 10.2214/AJR.11.7313.
44. Cohen SB, Short CP, O'Hagan T, Wu HT, Morrison WB, **Zoga AC**. The Effect of Meniscal Tears on Cartilage Loss of the Knee: Findings on Serial MRIs. *Phys Sportsmed*. 2012 Sep;40(3):66-76.
45. Ward RJ, Weissman BN, Kransdorf MJ, Adler R, Appel M, Bancroft LW, Bernard SA, Bruno MA, Fries IB, Morrison WB, Mosher TJ, Roberts CC, Scharf SC, Tuite MJ, **Zoga AC**. ACR Appropriateness Criteria Acute Hip Pain-Suspected Fracture. *J Am Coll Radiol*. 2014 Feb;11(2):114-20. doi: 10.1016/j.jacr.2013.10.023. Epub 2013 Dec 22.
46. Khetarpal A, **Zoga A**, McClure K. Acute calcific tendinitis of the flexor pollicis longus in an 8-year-old boy. *Skeletal Radiol*. 2014 Oct;43(10):1471-5.
47. Roedl JB, Morrison WB, Ciccotti MG, **Zoga AC**. Acromial apophysiolysis: superior shoulder pain and acromial nonfusion in the young throwing athlete. *Radiology*. 2015 Jan;274(1):201-9. doi: 10.1148/radiol.14140587. Epub 2014 Oct 14.
48. Lenart BA, Martens KA, Kearns KA, Gillespie RJ, **Zoga AC**, Williams GR. Treatment of massive and recurrent rotator cuff tears augmented with apoly-l-lactide graft, a preliminary study. *J Shoulder Elbow Surg*. 2015 Jun;24(6):915-21. doi: 10.1016/j.jse.2014.09.044. Epub 2014 Dec 4.
49. Roedl JB, Nevalainen M, Gonzalez FM, Dodson CC, Morrison WB, **Zoga AC**. Frequency, imaging findings, risk factors, and long-term sequelae of distal clavicular osteolysis in young patients. *Skeletal Radiol*. 2015 May;44(5):659-66. doi: 10.1007/s00256-014-2092-2. Epub 2015 Jan 7.
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101. RoulaBouSader, MD, Michael G. Kendrick, MD, William B. Morrison, MD, Adeel H. Azam, MD, Johannes B. Roedl, MD, PhD, Michael G. Ciccotti, MD, **Adam C. Zoga, MD**. Can MRI Predict a Future Bucket Handle Type Meniscus Tear in Patients with Recent Knee Trauma and ACL Injury? Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
102. Blake Bowden, **Adam C. Zoga, MD**, Peter F. DeLuca, MD, Johannes B. Roedl, MD, PhD, James M. McCrossin, MS, Sandra Rutigliano, MD, William B. Morrison, MD. Bone Bruise vs. Non-displaced Fracture at MRI: A Novel Grading System to Guide Reporting and Predict Return to Play. Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
103. Felix Gonzalez, MD, Mika T. Nevalainen, MD, PhD, William B. Morrison, MD, Johannes B. Roedl, MD, PhD, **Adam C. Zoga, MD**. SIFK (SONK): Grading, Risk Factors and Outcome. Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
104. Mika T. Nevalainen, MD, PhD, Michael G. Ciccotti, MD, William B. Morrison, MD, **Adam C. Zoga, MD**, Johannes B. Roedl, MD, PhD. Distal Clavicular Osteolysis in Adults: Prevalence, Predisposing Factors, Treatment and Outcome. Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.

105. Andrew S. Chi, MD, MS, John Kim, MD, Suzanne S. Long, MD, William B. Morrison, MD, **Adam C. Zoga, MD**. Noncontrast MRI Diagnosis of Adhesive Capsulitis. Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
106. William B. Morrison, MD, Peter Sharkey, MD, Steven B. Cohen, MD, **Adam C. Zoga, MD**, Johannes B. Roedl, MD, PhD. Subchondroplasty: A New Minimally Invasive Procedure for Treatment of Knee Pain Associated with Arthritis. Scientific poster presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
107. Sandra Rutigliano, MD, William Morrison, MD, Suzanne Long, MD, **Adam Zoga, MD**, Johannes B. Roedl, MD, PhD. Medial Meniscal Extrusion on Weight-Bearing Ultrasound. Scientific paper presentation, *Proceedings of the Society of Skeletal Radiology Annual Meeting*, New Orleans, LA, March, 2016
108. Johannes Roedl, MD, PhD, Mika Nevalainen, MD, William Morrison, MD, **Adam Zoga, MD**, Felix Gonzalez, MD. Combined MR Arthrography and Ultrasound Approach for Imaging Medial Elbow Pain in Baseball Players. Scientific paper presentation, *Proceedings of the Society of Skeletal Radiology Annual Meeting*, New Orleans, LA, March, 2016
109. **Adam Zoga, MD**, Mika Nevalainen, MD, Pranshu Sharma, MD, Johannes Roedl, MD, William Morrison, MD. Horrible Bosses: Patterns of MRI Findings at the Extensor Carpi Radialis Brevis Tendon Insertion in Patients with Activity Related Dorsal Hand Pain. Scientific paper presentation, *Proceedings of the Society of Skeletal Radiology Annual Meeting*, New Orleans, LA, March, 2016
110. Felix Gonzalez, MD, Mika T. Nevalainen, MD, PhD, William B. Morrison, MD, Johannes B. Roedl, MD, PhD, **Adam C. Zoga, MD**. Patterns of Disease Progression in SIFK, The new SONK by MRI: Grading and Clinical Implications. Scientific paper presentation, *Proceedings of the Society of Skeletal Radiology Annual Meeting*, New Orleans, LA, March, 2016

SCIENTIFIC PAPER PRESENTATIONS

- May 2003 Lumbar Degenerative Endplate Changes and Association with Body Mass Index, M. Karchevsky, **A.C. Zoga**, M.E. Schweitzer, American Roentgen Ray Society, scientific paper presentation, San Diego, CA.
- May 2003 MRI after Total Hip Replacement. D. Bitto, **A.C. Zoga**, M.E. Schweitzer, American Roentgen Ray Society, scientific paper presentation, San Diego, CA.
- July 2003 M.R.I. Evaluation of Total Knee Replacement, **A.C. Zoga**, D. Bitto, M.E. Schweitzer, International Society for Magnetic Resonance in Medicine, scientific paper presentation. (presenter)
- December 2003 Etiology of Capitate Cysts with Arthroscopic Correlation. **A.C. Zoga**, M.E. Schweitzer, R. Culp, Radiologic Society of North America, scientific paper presentation, December, 2003. (presenter)
- December 2003 M.R.I of the Post Girdlestone Hip. **A.C. Zoga**, D. Bitto, M.E. Schweitzer, Radiologic Society of North America, scientific paper presentation. (presenter)
- November 2003 M.R. Evaluation of Labral Tear Extent. **A.C. Zoga**, W.B. Morrison, Radiologic Society of North America, scientific paper presentation. (presenter)

- March 2004 Accuracy of T2 FSE vs. STIR Sequences in Evaluating Rotator Cuff Tears. **A.C. Zoga**, W.B. Morrison, Society of Skeletal Radiology scientific paper presentation, Tucson, AZ. (presenter)
- May 2004 Accuracy of T2 FSE vs. STIR Sequences in Evaluating Rotator Cuff Tears. **A.C. Zoga**, W.B. Morrison, American Roentgen Ray Society, scientific paper presentation, Miami, FL.
- May 2004 Patterns of Disease Progression in SONK (Spontaneous Osteonecrosis of the Knee) by M.R.I, H.Gil, **A.C. Zoga**, W.B. Morrison, American Roentgen Ray Society, scientific paper presentation, Miami, FL.
- December 2004 Patterns of Biceps Tendon Displacement and Associated Subscapularis Tendon and Osseous Pathology on MRI of the Shoulder. D. Bergin, W.B. Morrison, **A.C. Zoga**, T.G. Sanders, Radiologic Society of North America, scientific paper presentation.
- March 2005 Patterns of Disease Progression in SONK (Spontaneous Osteonecrosis of the Knee) by M.R.I, **A. Zoga**, H. Gil, W.B. Morrison, Society of Skeletal Radiology Annual Meeting, scientific paper presentation, Orlando, FL. (presenter)
- March 2005 Unknown Case of the Day Monday Presentation, **A.C. Zoga**, Society of Skeletal Radiology Annual Meeting, Orlando, FL. (presenter)
- May 2005 Use of Dynamic Contrast-Enhanced MR Imaging (DCEMRI) for the Evaluation of the Diabetic Foot. W.B. Morrison, D. Bergin, **A.C. Zoga**, S.M. Raikin, Radiologic Society of North America Annual Meeting, November, 2004 and International Society for Magnetic Resonance in Medicine Annual Meeting, scientific poster presentation.
- May 2005 Lateral Calcaneocuboid Ligament Ruptures Imitating Talocrural Ligament Injuries Diagnosed with a Passive Motion Device using MR Imaging. Ilan Elias, MD **A.C. Zoga**, W.B. Morrison, Mark E. Schweitzer, Steven M. Raikin, Heinz Lohrer, American Roentgen Ray Society Annual Meeting, scientific paper presentation, New Orleans, LA.
- May 2005 Osteochondral Defects of the Talar Dome: Morphology and Frequency by Location on MRI. Ilan Elias, MD **A.C. Zoga**, Steven M. Raikin, Mark E. Schweitzer, W.B. Morrison, American Roentgen Ray Society Annual Meeting, scientific paper presentation, New Orleans, LA. (presenter)
- May 2005 Plantar Fasciitis Associations: Concurrent Foot and Ankle Findings by MRI. S. Sung, **A.C. Zoga**, H.C. Gil, W.B. Morrison, American Roentgen Ray Society Annual Meeting, scientific paper presentation, New Orleans, LA.
- May 2005 Simulated Weight Bearing MRI of the Knee: Initial Experience Using an MRI Compatible Compression Device. **A.C. Zoga**, I. Elias, D. Bergin, W.B. Morrison, American Roentgen Ray Society Annual Meeting, scientific paper presentation, New Orleans, LA. (presenter)
- May 2005 Acromion Morphology and its Relation to Rotator Cuff Impingement with Surgical Correlation. L.H. Lee-Zeller, **A.C. Zoga**, W.B. Morrison, J. Yun, J.M. Fenlin Jr., American Roentgen Ray Society Annual Meeting, scientific paper presentation, New Orleans, LA.
- November 2005 Subtendinous Bone Marrow Edema at the Extensor Carpi Ulnaris as a Harbinger for Triangular Fibrocartilage Tear. **A.C. Zoga**, J.D. Mamelak, R.W. Culp, W. B. Morrison, Radiologic Society of North America, scientific paper presentation. (presenter)
- November 2005 Characteristic MRI Patterns of Lyme Arthritis of the Knee. S.L. Moore, **A.C. Zoga**, M.E. Schweitzer, Radiologic Society of North America, scientific paper presentation.
- November 2005 Vertebroplasty in the U.S.: Utilization and Prevalence of Multiple and Repeat Procedures. W.B. Morrison, A.J. Frangos, L. Parker, **A.C. Zoga**, D.M. Deely, J.A. Carrino. Radiologic Society of North America, scientific paper presentation.
- November 2005 Meniscal Tears on MRI of the Knee: Utility of Secondary Signs. H.M. Hochberg, D. Bergin, **A.C. Zoga**, L. Parker, M. Ciccotti, W.B. Morrison, Radiologic Society of North America, scientific paper presentation.

- March 2006 Association Between Acetabular Volume and Labral Tear. J. Parvizi, W.B. Morrison, **A.C. Zoga**, American Academy of Orthopaedic Surgeons, scientific paper, presentation.
- March 2006 Simulated Weight-Bearing MRI of the Knee for evaluation of Meniscal Pathology. **A.C. Zoga**, I. Elias, D. Bergin, W.B. Morrison, Society of Skeletal Radiology Annual Meeting, scientific paper presentation, Tucson, AZ. (presenter)
- March 2006 Use of a Novel Percutaneous Biopsy Localization Device: Initial Musculoskeletal Experience. Morrison WB, Deely DM, **Zoga AC**, Koulouris G, Roberts CC. Proceedings of the Society of Skeletal Radiology Annual Meeting, Tucson, AZ.
- May 2006 Type of Meniscal Tear and Degree of Meniscal Extrusion in SONK. I. Omar, **A.C. Zoga**, H C. Gill, W.B. Morrison, American Roentgen Ray Society Annual Meeting, scientific paper presentation, Vancouver, BC.
- May 2006 Traumatic Injury of the Sternum and Sternomanubrial joint in Professional Football Players. I. Omar, **A.C. Zoga**, P. DeLuca, W.B. Morrison, American Roentgen Ray Society Annual Meeting, scientific paper presentation, Vancouver, BC.
- May 2006 Use of a Novel Percutaneous Biopsy Localization Device: Initial Experience. W.B. Morrison, D.M. Deely, G. Koulouris, **A.C. Zoga**, C.C. Roberts, American Roentgen Ray Society Annual Meeting, scientific paper presentation, Vancouver, BC.
- May 2006 Direct and Indirect MR Arthrography of the Glenohumeral Joint on an Open 0.3 Tesla System Using a Modified Three-point Dixon Sequence. J. Kim, **A.C. Zoga**, A.F. Austin, L. Parker, J.D. Mamelak, W.B. Morrison, American Roentgen Ray Society Annual Meeting, scientific paper presentation, Vancouver, BC.
- May 2006 MRI Appearance of Upper Extremity Stress Response in the throwing Athlete. E.C. Kavanagh, **A.C. Zoga**, E.J. Ferguson, W.B. Morrison, American Roentgen Ray Society Annual Meeting, electronic poster exhibit, Vancouver, BC.
- November 2006 MRI Findings in Activity Related Groin Pain, Athletic Pubalgia, and the "Sports Hernia" with Surgical Correlation. **AC Zoga**, EC Kavanagh, I Omar, G Koulouris, WB Morrison, J Domesek, H Lopez, WC Meyers, Radiologic Society of North America, scientific paper presentation (presenter).
- November 2006 Bone Biopsy in Osteomyelitis: Retrospective Analysis of Histologically Proven Cases and Correlation with Culture Results. T Gorbachova, WB Morrison, **AC Zoga**, A Haims J Wu, Radiologic Society of North America, scientific paper presentation.
- November 2006 Effect of PACS Implementation on Incidental Findings Reported on Cervical Spine MRI. K Naran, WB Morrison, A Flanders, **AC Zoga**, AG Gopez, LJ Parker, Radiologic Society of North America, scientific paper presentation.
- November 2006 MRI Findings in Painful Bipartite Patella. EC Kavanagh, **AC Zoga**, I Omar, S ford, ME Schweitzer, SJ Eustace, Radiologic Society of North America, scientific paper presentation.
- April 2008 Experience with "Sports Hernia" Spanning Two Decades. W.C. Meyers, A. McKechnie, M.J. Philippon, M.A. Horner, O.N. Devon, **A.C. Zoga**. Presented at the 2008 Meeting of the American Surgical Association in New York City
- April 2008 Association of Posterior Tibialis Tendon Pathology with Spring Ligament Abnormality: Utility of Coronal MR Images. Beltran, L.; Morrison, W.; Elias, I.; **Zoga, A.**; Gopez, A.; Bergin, D. American Roentgen Ray Society Annual Meeting, Washington, DC.
- October 2008 The Sports Hernia: What is it? How do I image it? What are its confounders?. Invited Scientific Paper Presentation, Special Scientific Session, Proceedings of the International Skeletal Society, Budapest, Hungary, 10/9/2008. **AC Zoga**, E Kavanagh, I Omar, G Koulouris, W B Morrison, W C Meyers.(presenter)

- September 2008 Can MRI Predict 'Return to Play' Timeframes? Cohen SB, Towers JD, **Zoga A**, Makda J, Tejwani S, Deluca P, Bradley JP
- November 2008 Shoulder, Hip and Knee Arthrography Using Fluoroscopic Guidance: Practice Pattern of Musculoskeletal Radiologists in North America. C Shortt, J Crim, C Roberts, D Deely, *AC Zoga*, WB Morrison.
- July 2008 Hamstring Injuries in Professional Football Players: MRI Correlation with Return to Play. Cohen SB, Towers JD, **Zoga A**, Tejwani S, Makda J, Deluca P, Bradley JP. Podium Presentation, Proceedings of The American Orthopaedic Society For Sports Medicine July 10-13, 2008 Orlando FL.
- February 2009 Utilization of Magnetic Resonance Imaging in Assessing Instability of the Subtle Lisfranc Injury. Raikin S, Elian I, **Zoga AC**, Dheer S, Morrison WB. American Academy of Orthopaedic Surgeons Annual Meeting, February 25-28, 2009.
- February 2009 Hamstring Injuries in Professional Football Players: MRI Correlation with Return to Play. Cohen S, **Zoga AC**, Towers JD, Tejwani SG, Deluca PF, Bradley JP American Academy of Orthopaedic Surgeons Annual Meeting, February 25-28, 2009.
- March 2009 Shortt CP, Morrison WB, Roberts CC, Deely DM, Gopez AG, **Zoga AC**. Shoulder, hip, and knee arthrography needle placement using fluoroscopic guidance: practice patterns of musculoskeletal radiologists in North America. Proceedings of the Society of Skeletal Radiology 2009 Annual Meeting, Isle of Palms, SC March 8-11, 2009.
- Apr, 2009 Long S, Morrison W, **Zoga A**, Gopez A, Siegler S. PTT and Spring Ligament abnormalities and the Development of Osteoarthritis and Ankle deformity on Follow-up MRI. American Roentgen Ray Society Annual Meeting, scientific paper presentation, Boston MA.
- Apr, 2009 Kim J, Zoga A, Saaty H, Morrison, W. Noncontrast MRI Diagnosis of Adhesive Capsulitis American Roentgen Ray Society Annual Meeting, scientific paper presentation, Boston MA.
- April 1, 2009 MRI of Baxter's Nerve: Anatomy, Variations, and Pathology. Brooks-Sienkiewicz S, Morrison W, **Zoga A**, Elias I, Carneiro C. Presented at American Roentgen Ray Society Annual Meeting Scientific Exhibit.
- Nov, 2009 MRI Findings in Athletic Pubalgia: Normal Postoperative Appearance and Re-Injury Patterns after Pelvic Repairs and Release for Sports Hernia. **Zoga AC**, Morrison WB, Roth CG, Horner M, Meyers WC. 95th Scientific Assembly and Annual Meeting Scientific Presentation, Radiological Society of North America Chicago, IL
- March, 2010 Posteromedial impingement of the elbow in throwing athletes. **Zoga AC**, MD, Cohen SB, Ciccotti, MG, Hobbs GP, Morrison WB, Proceedings of the Society of Skeletal Radiology 2010 Annual Meeting, Las Vegas, NV.
- Nov, 2010 MRI of Athletic Pubalgia: Involvement and Injury of the Mature and Immature Pubic Apophyses. **Zoga AC**, Mullens FE, Morrison WB, Shortt CP, Horner M, Meyers WC. 96th Scientific Assembly and Annual Meeting Scientific Presentation, Radiological Society of North America, Chicago, IL
- March, 2011 Morphologic patterns of acetabular labrum tear on direct MR Arthrography: Classification based on lesion location, extent, and therapeutic implication. **Zoga AC**, Girard B, Shortt CP, Meyers WC, Kelly BT, Morrison WB. Proceedings of the Society of Skeletal Radiology 2011 Annual Meeting, Paradise Valley, AZ.
- May, 2011 Shortt CP, McClure K, **Zoga AC**, Morrison WB. Volar radioscaphoid ganglion cysts on MRI: Incidence and clinical significance. American Roentgen Ray Society Annual Meeting, Chicago, IL May 5, 2011.

- May, 2011 Colucci P, Morrison WB, **Zoga AC**, Elias I, Green J, Chao W. Use of Positional Imaging for Evaluation of Posterior Ankle Impingement. American Roentgen Ray Society Annual Meeting, Chicago, IL May 5, 2011.
- May, 2011 Redon JJ, Delport AG, Morrison WB, Frangos A, **Zoga AC**, Goldlust L. Is Overhand Throwing Related to Shoulder Glenoid “Dysplasia”? American Roentgen Ray Society Annual Meeting, Chicago, IL May 5, 2011.
- May, 2011 Long S, Morrison, WB, Parker L, **Zoga AC**, Deely DM, Carrino JA. Vertebral Augmentation in the United States: Utilization and Provider Distribution, 2001-2008. American Roentgen Ray Society Annual Meeting, Chicago, IL May 5, 2011.
- May, 2011 Nakano IT, Lau V, **Zoga AC**, Parvizi J, Morrison WB. Femoral Head Offset: Association with Cam-Type FAI and Labral Tear. American Roentgen Ray Society Annual Meeting, Chicago, IL May 5, 2011.
- May, 2011 Donoso G, Morrison WB, Long S, **Zoga AC**, Shortt C. MR Imaging of the Ankle With and Without Simulated Weight-bearing: Technique and Feasibility for Diagnosis of Posterior Tibial Tendon Dysfunction. American Roentgen Ray Society Annual Meeting, Chicago, IL May 5, 2011.
- Nov, 2011 **Zoga AC**, Elias IE, Schweitzer ME, Morrison WB, Abolmaali N. Controlled Dynamic Movement of Joints and Spine during Ultra-fast MRI Using a Motor Driven Device: Feasibility and Practical Application. Proceedings of the 97th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 27-December 2, 2011.
- March, 2012 **Zoga AC**, Girard B, Shortt CP, Kelly BT, Morrison WB. Morphologic patterns of acetabular labrum tear on direct MR Arthrography: Classification based on lesion location, extent, and therapeutic implication. Proceedings of the Society of Skeletal Radiology Annual Meeting, Miami, FL. March 18-21, 2012.
- December, 2013 **Zoga AC**, Hobbs GP, Chi AS, Long SS, Meyers WC, Morrison WB, Psoas Muscle Atrophy in Patients with Ipsilateral Groin Pain: Is there an Association with Prior Hip Surgery and Why? Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December 5, 2013.
- December, 2013 Chi AS, Long SS, **Zoga AC**, Read PJ, Deely DM, Morrison WB, Prevalence and Pattern of Gluteus Tendon Pathology and Muscle Atrophy in Older Individuals. Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December 5, 2013.
- December, 2013 Sharma P, **Zoga AC**, Morrison WB, Deely DM, Culp RW, MR Findings in Avulsion Injuries at the Extensor Carpi Radialis Brevis Insertion and the Os Styloideum: A Case Series of Lesions in Hockey Players and Other 'Stick Swinging' Athletes. Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December 6, 2013.
- December, 2013 Khan WK, Palisch AR, Long SS, **Zoga AC**, Morrison WB, Flexor Carpi Radialis Tendinopathy and its Association with Scapho-trapezio-trapezoid and First Carpometacarpal Osteoarthritis. Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December 6, 2013.
- March, 2014 Roedl JB, **Zoga AC**, Ciccotti MG, Morrison WB. Distal Acromial Epiphysiolysis as a source of superior shoulder pain. Proceedings of the Society of Skeletal Radiology Annual Meeting, San Diego, CA. March 16, 2014.
- November, 2014 Roedl JB, Morrison WB, **Zoga AC**. Acromial Apophysiolysis of the Skeletally Immature Shoulder: Prevalence, Risk Factors and Association with os Acromiale and Rotator Cuff Tears. Proceedings of the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 30, 2014.
- March, 2015 Gonzalez F, Nevalainen M, Dodson C, Morrison WB, **Zoga AC**, Roedl JB. Frequency, imaging findings, risk factors and long term sequelae of distal clavicular osteolysis in young patients.

Proceedings of the Society of Skeletal Radiology Annual Meeting, Scottsdale, AZ. March 9, 2015. *Skeletal Radiol*(2015) 44:1213–1233.

- December 2015 RoulaBouSader, MD, Michael G. Kendrick, MD, William B. Morrison, MD, Adeel H. Azam, MD, Johannes B. Roedl, MD, PhD, Michael G. Ciccotti, MD, **Adam C. Zoga, MD**. Can MRI Predict a Future Bucket Handle Type Meniscus Tear in Patients with Recent Knee Trauma and ACL Injury? Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
- Blake Bowden, **Adam C. Zoga, MD**, Peter F. DeLuca, MD, Johannes B. Roedl, MD, PhD, James M. McCrossin, MS, Sandra Rutigliano, MD, William B. Morrison, MD. Bone Bruise vs. Non-displaced Fracture at MRI: A Novel Grading System to Guide Reporting and Predict Return to Play. Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
- Felix Gonzalez, MD, Mika T. Nevalainen, MD, PhD, William B. Morrison, MD, Johannes B. Roedl, MD, PhD, **Adam C. Zoga, MD**. SIFK (SONK): Grading, Risk Factors and Outcome. Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
- Mika T. Nevalainen, MD, PhD, Michael G. Ciccotti, MD, William B. Morrison, MD, **Adam C. Zoga, MD**, Johannes B. Roedl, MD, PhD. Distal Clavicular Osteolysis in Adults: Prevalence, Predisposing Factors, Treatment and Outcome. Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
- Andrew S. Chi, MD, MS, John Kim, MD, Suzanne S. Long, MD, William B. Morrison, MD, **Adam C. Zoga, MD**. Noncontrast MRI Diagnosis of Adhesive Capsulitis. Scientific paper presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015*.
- March 2016 Sandra Rutigliano, MD, William Morrison, MD, Suzanne Long, MD, **Adam Zoga, MD**, Johannes B. Roedl, MD, PhD. Medial Meniscal Extrusion on Weight-Bearing Ultrasound. Scientific paper presentation, *Proceedings of the Society of Skeletal Radiology Annual Meeting, New Orleans, LA, March, 2016*
- Johannes Roedl, MD, PhD, Mika Nevalainen, MD, William Morrison, MD, **Adam Zoga, MD**, Felix Gonzalez, MD. Combined MR Arthrography and Ultrasound Approach for Imaging Medial Elbow Pain in Baseball Players. Scientific paper presentation, *Proceedings of the Society of Skeletal Radiology Annual Meeting, New Orleans, LA, March, 2016*
- Adam Zoga, MD**, Mika Nevalainen, MD, Pranshu Sharma, MD, Johannes Roedl, MD, William Morrison, MD. Horrible Bosses: Patterns of MRI Findings at the Extensor Carpi Radialis Brevis Tendon Insertion in Patients with Activity Related Dorsal Hand Pain. Scientific paper presentation, *Proceedings of the Society of Skeletal Radiology Annual Meeting, New Orleans, LA, March, 2016*
- Felix Gonzalez, MD, Mika T. Nevalainen, MD, PhD, William B. Morrison, MD, Johannes B. Roedl, MD, PhD, **Adam C. Zoga, MD**. Patterns of Disease Progression in SIFK, The new SONK by MRI: Grading and Clinical Implications. Scientific paper presentation, *Proceedings of the Society of Skeletal Radiology Annual Meeting, New Orleans, LA, March, 2016*

SCIENTIFIC EXHIBITS:

- April-May, 2002 Overuse Injuries of the Lower Extremity. **Zoga AC**, Chicoskie C, DiMasi M, Eustace S, presented at American Roentgen Ray Society Annual Meeting– Scientific Exhibit.
- September, 2000 Imaging Overuse Syndromes in Sports Medicine. Hargaden G, **Zoga AC**, Eustace S,

presented at Irish Faculty of Radiology - Scientific Exhibit.

- November, 2004 Use of Dynamic Contrast-enhanced MR Imaging (DCEMRI) for Evaluation of Diabetic Foot Infection. Morrison WB, Bergin D, **Zoga AC**, Presented at the Radiologic Society of North America annual meeting– Scientific Poster Exhibit.
- November, 2006 Athletic Pubalgia and the "Sports Hernia": Optimal MR Imaging of the Pubic Symphysis Region and Pictorial Review of MR Technique and Findings. Omar I, Kavanagh EC, Koulouris G, Bergin D, Gopez AG, Morrison WB, **Zoga AC**, WC Meyers Presented at the Radiologic Society of North America annual meeting– Scientific Exhibit.
Cum laude Award for educational exhibits
Invited for publication in Radiographics.
- November, 2006 Athletic Pubalgia Syndrome: Normal Anatomy and Pathologic Variants on Pelvic MR Imaging. Chhabra A, Domesek J, Underwood D, Bhoot V, **Zoga AC**, Meyers WC, Presented at the Radiologic Society of North America annual meeting– Scientific Exhibit.
- May, 2007 Use of Simulated Weight-bearing for MR Evaluation of Ankle and Hindfoot Mechanics: A Feasibility Study. Elias I, Morrison WB, Gopez A, Raikin SM, **Zoga AC**. ISMRM Annual Meeting, Berlin, Germany, May 19-25, 2007.
- October 2007 Use of Simulated Weight-bearing for MR Evaluation of Ankle and Hindfoot Mechanics: A Feasibility Study. Elias I, Morrison WB, Gopez A, Raikin SM, **Zoga AC**. ISS Annual meeting Budapest Hungary October 8-13, 2007.
- October 2007 MRI of Athletic Pubalgia and the "Sports Hernia": Imaging Technique and Spectrum of Imaging Findings. **Zoga, AC**, Morrison, WB, Omar I, Kavanagh E C, Meyers, W C. Scientific Poster Presentation, International Skeletal Society, Budapest, 2007
- November 2007 Hydroxyapatite Deposition Disease: A Common Cause for Musculoskeletal Pain Frequently overlooked on MRI. K McClure, **AC Zoga**, A Gopez, B O'Hara, WB Morrison. RSNA, Chicago, 2007, Educational Exhibit
- November 2008 SLAP Happy: A New Mnemonic Device For Superior Labral Lesions. Austin AF, Morrison WB, **Zoga AC**, Gopez AG, Deely DM, McClure KE. Presented at the Radiologic Society of North America annual meeting– Educational Exhibit.
- November 2008 Iatrogenesis Imperfecta Profunda: A radiologic review of orthopedic and neurosurgical misadventures. McClure KE, Morrison WB, Roberts CC, **Zoga AC**, Gopez AG, Karasick D, et al. RSNA, Annual Meeting Chicago, 2008, Educational Exhibit
- April 2009 Patterns of Significance of Bone Marrow Edema in the Knee: A Case Based Review. Nicola R, Dheer S, **Zoga A**, Morrison W. Poster Presentation at American Roentgen Ray Society Annual Meeting.
- November 2010 Use of a 1.5 Tesla Dedicated Extremity MR Unit: Experience over the First 1000 Clinical Cases. Morrison WB, Colucci P, **Zoga AC**, Gopez AG, Short CP. RSNA, Annual Meeting Chicago, 2010, Educational Exhibit.
- March 2013 Is there an association between psoas atrophy and prior hip surgery in patients with recurrent groin pain?. Hobbs GP, **Zoga AC**, Meyers WC, Chi A, Horner M, Morrison WB. Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 30 - December 6, 2013.
- December 2013 Strains in the Athlete: Common Injury in Uncommon Locations. Howell MC, Casagrande BC, **Zoga AC**, Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 30 - December 6, 2013.
- December 2013 The Right Tools for the Job: Can Smaller Contrast Agent Packaging Improve the Cost Effectiveness of Performing MR Arthrography in a Busy Musculoskeletal Division? Rutigliano S, **Zoga AC**, Frangos AJ, Morrison WB, Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 30 - December 6, 2013.

- December 2014 Kimberly R Gardner MD (**Presenter**), Elana B Smith MD, **Adam C Zoga**. Oh, My Aching Back! A Review of Spinal Arthropathies. Educational Exhibit. Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 30 - December 6, 2013.
Selected for publication in Radiographics
- Jordan Gold MD, Danielle Toussie BS, **Adam C Zoga MD**, Christopher G Roth MD, Sandeep P Deshmukh MD. Vascular Compression Syndromes Seen in Athletes. Educational Exhibit. Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 30 - December 6, 2013.
- Jordan Gold MD, William C. Meyers MD, Johannes B. Roedl MD, PhD, William B. Morrison MD, **Adam C. Zoga MD**. The Incipient Breach of the Midline Pubic Plate: Is this MRI Finding Key to Early Diagnosis and Prevention of Athletic Pubalgia? Scientific poster presentation. Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 30 - December 6, 2013.
- Jordan Gold MD, Kristen E. McClure MD. **Adam C. Zoga MD**, Christopher G. Roth MD. Disco Inferno: A Rapid Review of Lumbar Discography. Scientific poster presentation. Proceedings of the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 30 - December 6, 2013.
- March 2015 Alisina Shahi, William Morrison, **Adam C. Zoga**, Johannes Roedl, Peter Wahba. Thomas Jefferson University. Subchondroplasty: A New Minimally Invasive Procedure for Treatment of Knee Pain Associated with Arthritis. Electronic poster exhibit. Society of Skeletal Radiology, Scottsdale, AZ.
- Felix Gonzalez, Bethany Casagrande, Philip Colucci, Johannes Roedl, William B. Morrison, **Adam C. Zoga**. "Leopard Spot Edema": An Osseous Stress Healing and Reinjury Phenomenon in Professional Ballet Dancers seen on MRI. Society of Skeletal Radiology, Scottsdale, AZ.
- December 2015 William B. Morrison, MD, Peter Sharkey, MD, Steven B. Cohen, MD, **Adam C. Zoga, MD**, Johannes B. Roedl, MD, PhD. Subchondroplasty: A New Minimally Invasive Procedure for Treatment of Knee Pain Associated with Arthritis. Scientific poster presentation, *Proceedings of the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, December, 2015.*

GUEST PROFESSORSHIPS, INVITED LECTURES and CONFERENCES:

- March 8, 2000 Imaging of Spinal Cord Trauma.
Boston Medical Center, Boston University School of Medicine.
Department of Radiology. Noon Conference.
- May, 2000 Uterine Artery Embolization for Symptomatic Fibroids: A Pictorial Essay with MR
Correlation. **A.C. Zoga**, A.S. Chaoui, R. Tello, H. Pagan-Marin, O. Pomeroy, presented
at European Congress of Radiology, Vienna, Austria, March 2000, and ARRS,
Washington, DC – Scientific Exhibit. (presenter)
Certificate of Merit for Education Exhibit, Radiological Society of North America, 2000
Meeting.
- February 22, 2001 Boston Medical Center Department of Radiology Grand Rounds: **A.C. Zoga**, A.
Kassarjian, C. Chicoksie, J. Varma. Past and current Chief Resident Case Presentations.

- January 24, 2002 Imaging Overuse Injuries
Boston Medical Center, Boston University School of Medicine Department of Radiology
Noon Conference.
- February 22, 2003 Indirect MR Arthrography of the Upper Extremity.
Jefferson Upper Extremity Imaging Symposium
Thomas Jefferson University.
- February 22, 2003 Shoulder Arthrography: Anatomy, Normal Variants and Pitfalls.
Jefferson Upper Extremity Imaging Symposium
Thomas Jefferson University.
- June 6, 2003 Bone Marrow Edema Patterns associated with Altered Biomechanics.
The Philadelphia Sports Medicine Congress,
Pennsylvania Hospital.
- October 18, 2003 Imaging the Postoperative Spine.
Jefferson Spine Imaging Symposium
Thomas Jefferson University.
- February 21, 2004 Indirect MR Arthrography, Indications, Technique and Interpretation.
Jefferson Upper Extremity Imaging Symposium
Thomas Jefferson University.
- April, 2004 Philips Junior Faculty Development Program participant, Association of University
Radiologists Annual Meeting, San Francisco, CA.
- June 2004 MRI of the Ankle
Jefferson Lower Extremity Imaging Symposium,
Thomas Jefferson University.
- June 2004 Bone Marrow Edema Patterns
Jefferson Lower Extremity Imaging Symposium,
Thomas Jefferson University.
- June 2003-The Posterolateral Corner of the Knee
June 2004 Jefferson Lower Extremity Imaging Symposium,
Thomas Jefferson University.
- May 2005 Rotator Cuff Impingement,
Sports Injuries about the Ankle
New York University Spring Sports Symposium
New York, NY.
- October 2005 The Posterolateral Corner of the Knee
MRI of the Ankle
Jefferson Lower Extremity Imaging Symposium
Thomas Jefferson University.
- January 2006 MRI of the Wrist, Hand and Finger
Imaging Arthritis: Why MRI
Optimization of Musculoskeletal MRI Protocols
Rotator Cuff Impingement
Practical Body and Musculoskeletal MRI
Grand Cayman, CI.
- March 19, 2006 The Role of Imaging in management of Scaphoid Disease
Desperate Surgeons Coping with the Complex wrist
The 8th annual Philadelphia Hand Symposium

- April 20, 2006 Guest Professor, Department of Radiology
Albert Einstein Medical Center, Philadelphia, PA
- May 2006 MRI of the Ankle
Delaware Radiology Society, keynote lecture
- October 2006 Department Conference: Athletic Pubalgia
Thomas Jefferson University
- October 20-21, 2006 Shoulder Impingement Syndromes
MRI of the Ankle
MRI Evaluation of Athletic Pubalgia
Direct and Indirect MR Arthrography
Jefferson Musculoskeletal Imaging Symposium
- November 2006 RSNA Refresher Course: Shoulder, Sports imaging, MJ Tuite, LS Steinbach, **AC Zoga**
- December 2006 MRI Sports Ankle Injury
Radiology Department Visiting Lecture
Northwestern University Medical Center
- January 9, 2007 Shoulder Imaging Overview
Orthopedic Surgery Departmental Conference
Philadelphia College of Osteopathic Medicine
- February 2007 RSNA Highlights, : Shoulder, Sports imaging, MJ Tuite, LS Steinbach, **AC Zoga**
- February 2007 MRI of Athletic pubalgia and the 'Sports Hernia'
Radiology Department Grand Rounds
Hartford Hospital
- May 2007 Imaging Hip Pain in the Young Adult
Christiana Radiology Department Grand Rounds
Christiana Hospital
- May 7, 2007 Keynote Address: 'Imaging groin pain in the Young Adult':
American Roentgen Ray Society Annual Meeting scientific session: Hips and More.
- June 8, 2007 MRI Findings in Athletic Pubalgia & "Sports Hernia"
Invited Speaker: The 8th Annual Philadelphia Sports Medicine Congress,
Philadelphia PA
- June 23-24, 2007 Superior Labral Tears
MR Imaging of Cruciate Ligaments: Pre- and Post-operative Assessment
Posteromedial and Posterolateral Corner Injuries
Jefferson Lower Extremity Imaging Symposium
Thomas Jefferson University
- September 12, 2007 Summary of Knowledge on Nephrogenic Systemic Fibrosis
Department of Radiology Grand Rounds
Hanemann University Hospital
Drexel University School of Medicine
- September 26, 2007 Summary of Knowledge on Nephrogenic Systemic Fibrosis
Department of Radiology Grand Rounds
George Washington University Medical Center
- October 21-22, 2007 MR and MR Angiography of Superior Shoulder Pain
MRI Wrist and Hand
Expert Panel on the Role of Imaging in Common Wrist and Elbow Pathologies

Seen in "Hand Clinic"
Groin Pain in the Young Adult: What is the "Sports Hernia?"
MRI Ankle
Jefferson Musculoskeletal Imaging Symposium

Thomas Jefferson University

November 6, 2007 Summary of Knowledge on Nephrogenic Systemic Fibrosis
Department of Radiology Grand Rounds
Sibley Medical Center
Washington DC

November 12-13, 2007 Imaging Hip Pain in the Young Adult
Radiology Grand Rounds
Albany NY

November 14, 2007 Summary of Knowledge on Nephrogenic Systemic Fibrosis
Invited Lecturer
Children's Hospital of Philadelphia
Philadelphia, PA

December 12, 2007 Imaging Hip and Groin Pain in the Young Adult: What is a Sports Hernia?
Delaware Radiology Society
Newark, DE

January 10, 2008 Imaging Hip and Groin Pain in the Young Adult
Rheumatology Grand Rounds
Thomas Jefferson University

April 14-18, 2008 American Roentgen Ray Society Annual Meeting,
Washington, DC
Scientific Session Moderator: Hips and More
Educational course lecturer: MRI of Athletic Pubalgia and the 'Sports Hernia'
Scientific Program Committee

May 4-8, 2008 International Society for Magnetic Resonance in Medicine Annual Meeting,
Toronto, ON
Weekend educational course lecturer: Current Concepts in Musculoskeletal MRI
Case Based Review Course Lecturer: Evaluation of the Athlete with Groin Pain

October 1, 2008 Imaging of Hip Disorders & Evaluation of Athletic Groin Injuries
Musculoskeletal Imaging, CME conference
Regional Diagnostic Imaging at SJH
Vineland, NJ

September 5, 2008 The Use of MRI in the Evaluation of Arthritis (inflammatory Arthritides)
Invited Speaker
Newport Hospital
Newport, RI

October 27-31, 2008 Multimodality imaging of shoulder impingement, Differentiating Labral Lesions of the
Shoulder, MR of the Ankle with a Sprinkle of US and CT, Hip pain in the Young Adult, Pre &
Post Op of the Cruciate Ligament
National Meeting of the Mexican Federation of Radiology and Imaging
Guadalajara, Mexico

December 1-5, 2008 **Zoga A C**, Anderson S, Eustace S. Imaging Hip and Groin Pain: From Femoral
Acetabular Impingement to Athletic Pubalgia. Proceedings of the 95th Annual Meeting of the
Radiological Society of North America, Chicago, December 1-5, 2008.

January, 2009 Rheumatology Grand Rounds
Thomas Jefferson University Hospital

	Philadelphia, Pa
April 1, 2009	Imaging of Arthritis Imaging Hip and Groin Pain in the Young Adult Visiting Professor Geisinger Health System Danville, PA
April 26-May 1, 2009	MRI Technique and Findings in Athletic Pubalgia and the 'Sports Hernia' American Roentgen Ray Society Annual Meeting, Boston, MA
April 26-May 1, 2009	American Roentgen Ray Society Annual Meeting, Boston, MA Scientific Session Moderator: Musculoskeletal (Pelvis, Hip and Knee)
May 8, 2009	Update on MRI of Traumatic Forefoot Injury Invited Speaker Jefferson Orthopedic Society Annual Meeting Philadelphia, PA
June 13-14, 2009	Preventing NSF MR Imaging of Ankle Sprains Lis-Franc Ligament Injuries Jefferson Musculoskeletal Imaging Symposium Thomas Jefferson University
August 30- Sept. 2, 2009	MR of the Hip: Extraarticular Pathology Including AVN, Muscle, Tendon and Labrum Imaging of Sports Hernias How I Take a Knee MRI Panel Discussion: Hip 18 th Annual Current Issues of MRI in Orthopaedics and Sports Medicine San Francisco, CA
September 16, 2009	MRI Technique and Findings in Athletic Pubalgia and The 'Sports Hernia' All-Star Lecture Series Franklin & Siedelman, Subspecialty Radiology
October 21, 2010	MRI of Athletic Pubalgia MRI Hip Guest Professorship RANZCR Sydney Chapter Meeting Sydney Australia
October 22-25, 2009	MRI of the Elbow MRI of the Wrist MRI of Athletic Pubalgia and the 'Sports Hernia' Advanced Hip Imaging MRI of the Ankle Featured International Guest Lecturer Combined Scientific Meeting 2009 Brisbane, Australia
November 29- December 4, 2009	Musculoskeletal Imaging Hip and Groin, MRI Findings in Athletic Pubalgia: Normal Postoperative Appearance and Re-Injury Patterns after Pelvic Repairs and Release for Sports Hernia.- scientific peres 95 th Scientific Assembly and Annual Meeting, Radiological Society of North America Chicago, IL

- February 26, 2010 Rheumatology Grand Rounds
Thomas Jefferson University Hospital
Philadelphia, Pa
Imaging the Ankle 2010
- March 14-17, 2010 Posteromedial impingement of the elbow in throwing athletes
Society of Skeletal Radiology
Las Vegas, NV
- April 23-25, 2010 American College of Radiology Categorical Course: Musculoskeletal MR
Reston, VA
MRI Hip
MRI Ankle Ligaments and Tendons
MRI Ankle Marrow
- April 29, 2010 Radiology Grand Rounds
Hahnemann University Hospital
Philadelphia, Pa
Imaging internal derangements of the hip: from dysplasia to FAI in 2010
- May 1-7, 2010 MRI of Athletic Pubalgia
Weekday Educational Course Faculty
International Society for Magnetic Resonance In Medicine
Stockholm, Sweden
- May 12, 2010 Jefferson Outpatient Imaging, Dinner Lecture
Newtown Square, PA
MR Imaging of the Foot and Ankle
- June 24, 2010 National Athletic Trainers Association 2010 Annual Meeting
Philadelphia, PA
Use of MRI in Athletic Pubalgia
- August 28-
Sept. 1, 2010 19th Annual Current Issues of MRI in Orthopaedics and Sports Medicine
San Francisco, CA
MR of the Hip: AVN, Muscle, Tendon and Labrum
Imaging of Athletic Pubalgia and Sports Hernias
How I Take a Hip MRI
Panel Discussion: Hip
- October 7, 2010 Philadelphia Roentgen Ray Society
Blue Ribbon Lecture
Philadelphia, PA
The Role of MRI in Athletic Pubalgia
- November 12, 2010 Shoulder and Elbow Update, 2010
Philadelphia, PA
Imaging of Core Injuries at the Pubic Symphysis
Workshop: Dynamic and Core Stabilization Techniques
- January 28-30, 2011 American College of Radiology Categorical Course: Musculoskeletal MR
Reston, VA
MRI Hip
MRI Ankle Ligaments and Tendons
MRI Ankle Marrow
- March 16, 2011 Radiology Noon Conference
Hahnemann University Hospital

- Philadelphia, Pa
Advanced Imaging of Arthritis
- March 16, 2011 Center for Diagnostic Imaging CME Symposium
Vineland, NJ
The Role of MRI in Athletic Pubalgia
- March 20-24, 2011 Musculoskeletal Imaging on the Ski slopes, IICME
Snowmass, CO
MR Imaging of Athletic Pubalgia
Imaging the Throwing Athlete
MRI of the Hip in 2011
MRI of Cartilage
Pre and Post-operative Cruciate Ligament Evaluation
Knee MR Nuances and Nuisances
- April 3-8, 2011 28th Annual Magnetic Resonance Imaging 2011: National Symposium
Las Vegas, NV
Knee MRI: Nuances and Nuisances
MRI of Shoulder Impingement
Imaging of the AC and SC Joints
- April 13, 2011 Hospital Grand Rounds
Thomas Jefferson University Hospital, Methodist Campus
Philadelphia, PA
The Role of MRI in Athletic Pubalgia and "the Sports Hernia"
- May 10, 2011 Radiology Department Grand Rounds
Maimonides Medical Center
New York, NY
Imaging Hip and Groin Pain in 2011
- August 28, 2011- 19th Annual Current Issues of MRI in Orthopaedics and Sports Medicine
Sept. 1, 2011 San Francisco, CA
MR of the Hip: AVN, Muscle, Tendon and Labrum
Imaging of Athletic Pubalgia and Sports Hernias
How I Take a Hip MRI
Panel Discussion: Hip
- October 1, 2011 Evidence Based Orthopaedics: the Rothman Institute
Philadelphia, PA
How Can Musculoskeletal Imaging Help in 2011
- Nov 10, 2011 Colorado Radiologic Society, Keynote Lecture
Denver, CO
MRI of Athletic Pubalgia and the "Sports Hernia"
- Nov 10, 2011 Department of Radiology Grand Rounds, University of Colorado Medical Center
Denver, CO
Imaging Hip and Groin Pain in the Young Adult
- November 18-20, 2011 American College of Radiology Education Center: Musculoskeletal MRI
Reston, VA
MRI Knee Ligaments
MRI Ankle Ligaments
MRI Ankle Bones and Cartilage
- November 30, 2011 Imaging Hip and Groin Injury

Refresher Course: Sports Imaging
 Proceedings of the radiologic Society of North America
 Chicago, IL

- February 23, 2012 Department of Radiology Noon Conference, Hahnemann University Hospital, Philadelphia, PA
 Imaging Arthritis: Why MRI?
- Apr 29-May 4, 2012 Sports Specific Imaging Considerations
 Instructional Course
 Proceedings of the American Roentgen Ray Society
 Vancouver, BC, Canada
- August 24-25, 2012 International Heidelberg Summer School: Musculoskeletal and Cross Sectional Imaging,
 Heidelberg, Germany
 MRI of Athletic Pubalgia
- August 26-29, 2012 20th Annual Current Issues of MRI in Orthopaedics and Sports Medicine
 San Francisco, CA
 MR of the Hip: AVN, Muscle, Tendon and Labrum
 Imaging of Athletic Pubalgia and Sports Hernias
 How I Take a Hip MRI
 Panel Discussion: Hip
- October 6, 2012 Rothman Institute's 3rd Annual Evidence Based Orthopaedics
 Imaging evaluation of Orthopaedic Lesions
 Philadelphia, PA
 State of the art orthopaedic imaging in 2012
- November 20-22, 2012 American College of Radiology Education Center: Musculoskeletal MRI
 Reston, VA
 MRI Knee Ligaments
 MRI Ankle Ligaments
 MRI Ankle Bones and Cartilage
- January 11, 2013 Rheumatology Grand Rounds
 Thomas Jefferson University Hospital
 Philadelphia, Pa
 Knee MRI Nuances and Nuisances
- February 15, 2013 Visiting Professor, Fletcher Allen Healthcare / University of Vermont Medical Center
 Resident Conference: Hip Imaging in 2013
 Grand Rounds
 Knee MRI Nuances and Nuisances
- February 24-27, 2013 Edusymp Musculoskeletal MRI
 Snowmass, CO
 SLAP Happy: When and How to Call a SLAP Lesion on MRI
 MRI of the Hip
 Knee MR Nuances and Nuisances
 Pre and Post-op Cruciates
- March 17, 2013 Society of Skeletal Radiology, Annual SAM Course
 San Antonio, TX
 SAM Coordinator and Moderator: Imaging the Postoperative Lower Extremity
- March 17, 2013 Society of Skeletal Radiology, Annual SAM Course

- San Antonio, TX: Speaker
Imaging the Postoperative Hip and Pelvis
- April 18, 2013 Sports Specific Imaging Considerations
Instructional Course
Proceedings of the American Roentgen Ray Society
Washington, DC
- April 20, 2013 ISMRM Weekend Instructional Course
Challenges in Musculoskeletal Imaging
Salt Lake City, UT
Athletic Pubalgia: The Sportsman's "Non-Hernia"
- August 24-28, 2013 21st Annual Current Issues of MRI in Orthopaedics and Sports Medicine
San Francisco, CA
MR of the Hip: AVN, Muscle, Tendon and Labrum
Imaging of Athletic Pubalgia and Sports Hernias
How I Take a Hip MRI
Panel Discussion: Hip
- September 4, 2013 Invited Lecturer, Crozier Sports Medicine Institute, Springfield, PA
Understanding and Imaging Athletic pubalgia and Core Muscle injury
- November 7, 2013 Visiting Professor, Boston Medical Center
Resident Conference: Hip Imaging in 2013
Grand Rounds: MRI of Athletic pubalgia and Core Injuries
- November 22-24, 2013 American College of Radiology Education Center: Musculoskeletal MRI
Reston, VA
MRI Knee Ligaments
MRI Ankle Ligaments
MRI Ankle Bones and Cartilage
- January 11, 2014 Major League Soccer Medical Symposium
Athletic Pubalgia and Core Muscle Injury in Athletes
- February 12, 2014 Roxborough Podiatry Associates
MRI and Ultrasound for Common Foot and Ankle Injuries
- March 17, 2014 Society of Skeletal Radiology Annual SAM Course
San Diego, CA
- Cross Sectional Imaging of the Post-Operative Elbow
- May 13, 2014 ISMRM Weekend Instructional Course
Musculoskeletal
Milan, Italy
Athletic Pubalgia and Core Muscle Injury
Extra-articular Sources of Hip Pain
- July 10-13, 2014 Lightbox Radiology, Musculoskeletal Radiology
Hong Kong
International Guest Professor
- September 7-11, 2014 22nd Annual Current Issues of MRI in Orthopaedics and Sports Medicine
San Francisco, CA
MR of the Hip: AVN, Muscle, Tendon and Labrum
Imaging of Athletic Pubalgia and Sports Hernias
Panel Discussion: Hip
- November 21-23, 2014 American College of Radiology Education Center: Musculoskeletal MRI

Reston, VA
MRI Knee Ligaments
MRI Ankle Ligaments
MRI Ankle Bones and Cartilage

- April 11, 2015 American Medical Society for Sports Medicine
Hollywood, FL
Athletic Pubalgia and Groin Injuries: Imaging Modalities and Pearls
Imaging for Athletic Pubalgia/Inguinal Disruption
- April 23, 2015 American Osteopathic Academy of Sports Medicine
Philadelphia, PA
Imaging Athletic Pubalgia and Core Muscle Injury
- April 24, 2015 American Roentgen Ray Society Annual Meeting
Toronto, Ontario, CA
Instructional Course: Core Muscle Injury
- May 4-8, 2015 32nd Annual Magnetic Resonance Imaging 2015: National Symposium
Orlando, FL
SLAP Happy: When and How to Call a SLAP Lesion on MRI
Posteromedial and Posterolateral Corners of the Knee
MR Criteria for Meniscal Tears
- October 1-3, 2015 23rd Annual Current Issues of MRI in Orthopaedics and Sports Medicine
Las Vegas, NV
MR of the Hip: AVN, Muscle, Tendon and Labrum
Imaging of Athletic Pubalgia and Sports Hernias
- November 16-18, 2015 American College of Radiology Education Center: Musculoskeletal MRI
Reston, VA
MRI Knee Ligaments
MRI Ankle Ligaments
MRI Ankle Bones and Cartilage
- February 17, 2016 A.I. Dupont Children's Medical Center, Wilmington, DE
Visiting Professor
Grand Rounds Lecture: Sports Specific Imaging Considerations in Musculoskeletal Radiology
- May 16, 2016 West Penn Allegheny Health System, Pittsburgh, PA
Visiting Professor, Department of Radiology
Imaging Hip and Groin Pain in 2016
Knee Nuances and Nuisances
Imaging the Throwing Athlete
- May 17, 2016 West Penn Allegheny Health System, Pittsburgh, PA
Grand Rounds, Department of Orthopaedic Surgery
Sports Specific Musculoskeletal Imaging

RESEARCH GRANTS:

- July, 2003-2006 **ACRIN Clinical Trial 6661, site Principle Investigator**
Radiofrequency Ablation of Osseous Metastases

Thomas Jefferson University

December, 2005	RSNA Seed Grant Application
December, 2006	Simulated Weight-bearing MRI for Diagnosis of Meniscal Tears
January 2009	NIH Challenge Grant Application
	Predicting Posterior Root tears of the Medial Meniscus and Potential Impact on Healthcare Expenditure

CONSULTING POSITIONS:

December, 2002- Present	Philadelphia Phillies, Consultant Radiologist
December, 2002- Present	Philadelphia 76ers, Consultant Radiologist
December, 2002- Present	Philadelphia Eagles, Consultant Radiologist
December, 2002- Present	Philadelphia Flyers, Consultant Radiologist
December, 2002- 2010	Philadelphia Kixx, Consultant Radiologist
December, 2002- Present	Pennsylvania Ballet, Consultant Radiologist
December, 2002- July, 2003	Philadelphia Charge, Consultant Radiologist
September, 2003- October, 2003	FIFA Women's World Cup, Consultant Radiologist