Academic Log of Orthopaedic Surgery

2010

Published Articles

1. Rana, Adam; **Iorio, Richard**; and **Healy, William L**.: Hospital Economics of Primary Total Knee Arthroplasty at a Teaching Hospital. Clinical Orthopaedics and Related Research, submitted for publication, March 2010.
2. Rana, Adam; **Iorio, Richard; and Healy, William L**.: Hospital Economics of Primary Total Hip Arthroplasty: Evolution from 1990 to 2008. Clinical Orthopaedics and Related Reasearch, Submitted for publication, January 2010.
3. **Iorio, Richard**; Puskas, Brian; **Healy, William L.; Thompson, Michael; Tilzey, John F.;** and **Specht, Lawrence:** Cementless Acetabular Fixation With and Without Screws: Analysis of Stability and Migration. Journal of Arthroplasty, Vol 25, No. 2, 309-313, 2010.
4. Lawless, Bryan M.; **Healy, William L**; Sharma, Sanjeev; and **Iorio, Richard**. Outcome of Isolated Acetabular Revisions. Clinical Orthopaedics and Related Research, 468: 472-79, 2010.
5. Sharma S, **Iorio R**, **Specht LM**, Davies-Lepie S, **Healy WL**: Complications of femoral nerve block for total knee arthroplasty. Clinical Orthopaedics and Related Research, 468: 135-140, 2010.
6. Hassan M.K. Ghomrawi, Robert L. Kane, Lynn E. Eberly, Boris Bershadsky, Khaled J. Saleh and the North **A**merican Knee Arthroplasty Revision (NAKAR) Study Group **(Iorio, R.)**. Patterns of Functional Improvement after Revision Knee Arthroplasty. J Bone Joint Surg Am; 91, 2838-2845, 2009.
7. **Iorio, Richard** and Hart, Robert A. The Orthopaedic Forum: 2008 Austrian-Swiss-German Traveling Fellowship Tour Summary. Journal of Bone and Joint Surgery, 91A, 1012-1016, 2009.
8. **Iorio, Richard**; Siegel, Jodi; **Specht, Lawrence**; **Healy, William L; Tilzey, John F**; and Hartman, Audrey: Comparison of Digital and Acetate Templating for Preoperative Planning of Primary THA. Journal of Arthroplasty, Vol. 24, No. 2, 175-179, 2009.
9. **Healy William L, Tilzey John F, Iorio, Richard, Specht Lawrence M**., Sharma S.: Prospective, Randomized Comparison of Cobalt-Chrome and Titanium Trilock Femoral Stems. J Arthroplasty, Vol. 24, No. 6, 831-836, 2009.
10. **Iorio R**, Siegel J, **Specht L, Healy WL**, **Tilzey JF**, and Hartman A: Comparison of Digital and Acetate Templating for Preoperative Planning of Primary THA. Journal of Arthroplasty, Vol. 24, No. 2, 175-179, 2009.
11. **Healy WL**, Returning to Sports After Joint Replacement, Physician's Weekly Surgery Edition, Vol. VI, Issue No. 10, May 25, 2009.
12. **Healy WL**, Peterson RN, Department of Justice Investigation of Orthopaedic Industry. Journal of Bone & Joint Surgery, Vol. 91-A, No. 7, July, 2009.
13. Scott WN, Booth RE, Dalury DF, **Healy WL**, Lonner JH. Efficiency and Economics in Joint Arthroplasty, Vol. 91-A, Supp. 5, August 2009.
14. **Iorio R, Healy WL**, Davies-Lepie SR, **Specht L**, Sharma S: "Complications of Femoral Nerve Block for Total Knee Arthroplasty", Clinical Orthopaedics Related Research, Vol. 468, No. 1, January 2010.
15. **Healy WL.** Ode to Total Knee Arthroplasty (With Apologies to Henry Wadsworth Longfellow and Paul Revere). Journal of Bone and Joint Surgery, Vol. 92-A, No. 2, February 2010**.**
16. Maffiuletti NA, Impellizzeri FM, Widler K, Bizzini M, **Kain MS**, Munzinger U, Leunig M. Spatiotemporal parameters of gait after total hip replacement: anterior versus posterior approach. Orthop Clin North Am. 2009 Jul;40(3):407-15. Orthop Clin North Am. 2009 Jul;40(3):407-15

17. Rachbauer F,**Kain MS**, Leunig M. The history of the anterior approach to the hip. Orthop Clin North Am. 2009 Jul;40(3):311-20

18. Millis MB, **Kain M**, Sierra R, Trousdale R, Taunton MJ, Kim YJ, Rosenfeld SB, Kamath G, Schoenecker P, Clohisy JC. Periacetabular osteotomy for acetabular dysplasia in patients older than 40 years: a preliminary study. Clin Orthop Relat Res. 2009 Sep;467(9):2228-34. Epub 2009 May 7.

19. Naal FD, **Kain MS**, Hersche O, Munzinger U, Leunig M. Does hip resurfacing require larger acetabular cups than conventional THA? Clin Orthop Relat Res. 2009 Apr; 467(4):923-8. Epub 2009 Jan 14.

20. Tellisi, N, **Lobo M**, O'Malley M, Kennedy JG, Elliott AJ, Deland JT: Functional Reconstruction of the Posterior Tibial Tendon in patients under 50 years of age, FAI 2009

21. **Soong M**, Schmidt S. "Acute Contaminated Open Forearm Fractures Treated with VersaJet Hydrosurgical Debridement." Journal of Orthopaedic Trauma, 2010 (in press).

22. **Soong M**, DaSilva M. "Acute Forearm Compartment Syndrome Secondary to Digit Avulsion Injury." Journal of Bone and Joint Surgery. 2009 Feb;91(2):435-7.

23. **Soong M**, Akelman E. "Neurofibromatosis Contributing to Carpometacarpal Instability." Orthopedics, Jan 2009; 32(1):55.

24. **Baumfeld JA**, van Riet RP, Zobitz ME, Eygendaal D, An KN, Steinmann SP Triceps Tendon Properties and its Potential as an Autograft, J Shoulder Elbow Surg. 2010 Apr 21. [Epub ahead of print]

Chapters

1. **Kain MS**, Tornetta P. Open Reduction and Internal Fixation of the Symphysis. In: Operative Techniques of Orthopaedic Surgery 1st edition. Lipincott Williams & Wilkins, Philadelphia 2010.

2. **Kain M**, Einhorn TA.Total Hip Arthroplasty in Patients with Metabolic Diseases. In: Surgical Treatment of Hip Arthritis: Reconstruction, Replacement, and Revision. Hozack WJ, Parvizi J, Bender B, editors. Elsevier, Philadelphia, 2010.

3. **Kain MS**, Tornetta P. Hip Dislocations and Fractures of the Femoral Head. In: Rockwood and Green's Fractures of Adults. 7th edition. Bucholz, RW, Heckman JD, Court-Brown C, Tornetta P, Beaty JH, Kasser JR, editors. Lipincott Williams & Wilkins, Philadelphia 2009.

4. **Iorio, Richard**; Trousdale, Robert T. and **Healy, William L**.: Periprosthetic Femur and Tibia Fractures after Total Knee Arthroplasty. Chapter 29 in Knee Arthroplasty, Masters Techniques in Orthopaedic Surgery, 3rd Edition. Edited by Paul A. Lotke and Jess H. Lonner, Wolters Kluwert Health, Lippincott, Williams and Wikins, Philadelphia, PA, 2009.

5. Steve Lemos, PhD/MD; **Mark J. Lemos, MD**; and Christopher Emond, MD: Arthroscopic Labral Repair (Bankart) Ch 10: in David & Andrews' Arthroscopic Techniques of the Shoulder: A Visual Guide pg 107-122, 2009.

6. Zelle BA**, Marcantonio AJ**, Tarkin IS. Functional long-term outcomes in polytrauma patients with orthopaedic injuries. In: Pape HC, Peitzman A, Schwab C, Giannoudis P, eds. Damage Control Orthopaedics in the Polytrauma Patient. Springer 2010

7. **Baumfeld JA, Thompson M, Healy WL,** [Chapter] Athletic Activity After Joint Arthroplasty, in Chen and Hawkins, editors, Care of the Mature Athlete, in press

8. **Tilzey JF and Healy WL,** [chapter] Complex TKA:TKA Following Prior Osteotomy. In Daniel Berry, editor, Advanced Reconstruction: Knee, in press

Scientific Presentations/Posters/Exhibits/Invited Lectures/Instructors

1. Toman, Jared A. and **Iorio, Richard**. All Polyethylene Tibial Components: Maximal Survivorship with Minimal Cost. Proceedings AAOS 2010. Paper No. 509, CD-ROM, 2010.

2. Rana, Adam; **Iorio, Richard**; and **Healy, William L**.: Hospital Economics of Primary Total Knee Arthroplasty at a Teaching Hospital. Proceedings AAOS 2010. Poster No. P112, CD-ROM, 2010.

3. Fehring, Thomas; Odum, Susam; Troyer, Jennifer; and **Iorio, Richard**. Joint replacement access in 2016: A supply side crisis. Proceedings AAOS 2009. Poster No. PO43, CD-ROM, 2009.

4. Rana, Adam; **Iorio, Richard**; and **Healy, William L**.: Hospital Economics of Primary Total Knee Arthroplasty: Evolution from 1990 to 2008 (P112). Exhibited at AAOS, New Orleans, LA, March 2010.

5. Fehring, Thomas; Odum, Susam; Troyer, Jennifer; and **Iorio, Richard**. Joint replacement access in 2016: A supply side crisis. Exhibited at AAOS, Las Vegas, NV, February 2009.

6. Toman, Jared; **Iorio, Richard**; and **Healy, William L**.: All Polyethylene Tibial Components – Maximal Survivorship with Minimal Cost. AAOS Scientific Program, New Orleans, LA, March 2010.

7. Rana, Adam; **Iorio, Richard**; and **Healy, William L**.: Hospital Economics of Primary Total Knee Arthroplasty: Evolution from 1990 to 2008. AAHKS/Knee Society Combined Specialty Day Meeting, New Orleans, LA, March 2010.

8. **Iorio, Richard**; Rana, Adam; and **Healy, William L**.: Hospital Economics of Primary Total Hip Arthroplasty: Evolution from 1990 to 2008. Interim Hip Society, Palo Alto, CA, September 2009.

5. **Sharma S, Iorio R, Specht LM,** Davies-Lepie S**, Healy WL:** Complications of femoral nerve block for total knee arthroplasty. Interim Knee Society, Denver, CO, October 2008; AAHKS/Knee Society Combined Specialty Day Meeting, Las Vegas, NV, February 2009.

9. **Lemos, Mark J**. Are Two Better than One? Double versus Single Row Rotator Cuff Repair, Eastern Orthopaedic Association, Atlantis, Bahamas, June 2009.

10. Rana A, **Iorio R, Healy WL**, Hospital Economics of Primary Total Knee Arthroplasty: Evolution from 1990 to 2008 (P112). Exhibited at AAOS, New Orleans, LA, March 2010.

11. **Iorio, Richard**: Current Trends in the Management of Hip Disease in the Young and Active Patient. New Jersey Orthopaedic Society, Fall Symposium, New Brunswick, NJ, October 2009.

12. **Iorio, Richard**: Orthopaedic Surgeon Workforce, Retirement and Volume Assessment for Total Hip and Total Knee Replacement in the United States – Preparing for an Epidemic. New Jersey Orthopaedic Society, Fall Symposium, New Brunswick NJ, October, 2009.

13. **Iorio, Richard**: Displaced Femoral Neck Fractures: Arthroplasty is the Preferred Treatment Option. New Jersey Orthopaedic Society, Fall Symposium, New Brunswick NJ, October, 2009.

14. **Iorio, Richard**: Orthopaedic Surgeon Workforce, Retirement and Volume Assessment for Total Hip and Total Knee Replacement in the United States – Preparing for an Epidemic. Oregon Health Sciences University, Department of Orthopaedic Surgery Grand Rounds, Portland, Oregon, March 2009.

15. **Wilk Richard M.** Associate Master Instructor, Hip Arthroscopy Course, Arthroscopy Association of North America, Orthopaedic Learning Center, Rosemont, IL, February 2010

16. **Wilk Richard M**. Associate Master Instructor, Hip Arthroscopy Course Arthroscopy Association of North America Orthopaedic Learning Center, Rosemont, IL, February 2009

17. **Wilk Richard M**. Hip Pain in the Athlete: Diagnosis and Management, Sports Medicine Update 2009: Evaluation & Treatment of the Injured Athlete, Boston University School of Medicine Martha's Vineyard, MA, July 2009

18. **Wilk Richard M.** Hip Arthroscopy Update 2009, Sports Medicine Update 2009: Evaluation & Treatment of the Injured Athlete, Boston University School of Medicine, Martha's Vineyard, MA, July 2009

19. **Healy WL**, Standard Surgical Approach for Total Knee Arthroplasty. AAOS/Knee Society Symposium: Techniques and Controversies in Total Knee Arthroplasty, Las Vegas, NV, February 2009.

20. **Healy W**L, Brown University/Rhode Island Hospital, Orthopaedic Visiting Professor. Providence, RI, March 2009. 1: Thoughts of Femoral Neck Fractures, 2: Ode to Total Hips

21. **Iorio R**, Rana A, **Healy WL**, Hospital Economics of Primary Total Hip Arthroplasty: Evolution from 1990 to 2008. Interim Hip Society, Palo Alto, CA, September 2009.

22. **Healy WL**, International Congress for Joint Reconstruction, Park City, UT, January 2010. 1: Economics of Total Joint Arthroplasty 2: How I Implant A Flat Tapered Femoral Stem

23. **Healy WL**, Standard Surgical Approach for Total Knee Arthroplasty. AAOS/Knee Society Symposium: Techniques and Controversies in Total Knee Arthroplasty, New Orleans, LA, March 2010.

24. Rana A, **Iorio RI, Healy WL**, Hospital Economics of Primary TKA at a Teaching Hospital. The Knee Society, New Orleans, LA, March 2010.

25. Rana A, **Iorio R, Healy WL**, Hospital Economics of Primary Total Knee Arthroplasty: Evolution from 1990 to 2008. AAHKS/Knee Society Combined Specialty Day Meeting, New Orleans, LA, March 2010.

26. Toman J, **Iorio R, Healy WL**, All Polyethylene Tibial Components – Maximal Survivorship with Minimal Cost. AAOS Scientific Program, New Orleans, LA, March 2010.

27. **Marcantonio AJ**. Orthopaedic Injuries in the Polytrauma Patient. General Surgery Residency Program Grand Rounds. Lahey Clinic. April, 2010

28. **Marcantonio AJ**. Damage Control Orthopaedics. American Osteopathic Academy of Orthopedics. 50th Annual Postgraduate Seminar. Orlando, FL. March, 2010

29. **Marcantonio AJ**. Optimizing Outcomes in the Obese Orthopaedic Patient. Continuing Nursing Education Trauma Symposium. March, 2010

30. **Marcantonio AJ.** Fractures and Dislocations. Department of Radiology – Radiology Technicians Lecture. Lahey Clinic. January, 2010

31. **Marcantonio AJ**. Prehospital Care of the Orthopaedic Trauma Patient. Saints Hospital. EMS Group Grand Rounds. Lowell, MA. October, 2009

32. **Marcantonio AJ.** Damage Control Orthopaedics. New England Orthopaedic Society Spring Meeting. Stowe, VT. May, 2009

33. **Marcantonio AJ.** Damage Control Orthopaedics. General Surgery Residency Program Grand Rounds. Lahey Clinic. March, 2009.

34. **Marcantonio AJ.** Damage Control Orthopaedics. Continuing Nursing Education Trauma Symposium. Lahey Clinic. March, 2009

35. **Marcantonio AJ.** Current Trends in Management of Tibial Pilon Fractures. New Hampshire Musculoskeletal Institute Winter Meeting. Stowe, VT. January, 2009

36. **Marcantonio AJ.** Current Trends in Management of Tibial Plateau Fractures. New Hampshire Musculoskeletal Institute Winter Meeting. Stowe, VT. January, 2009

37. Kennedy JG, **Lobo M,** O'Loughlin PF. Retrograde drilling of talar osteochondral defects. AAOS Presentation 2009

38. **Tolo ET**, Surgical Anatomy of 10 Common Upper Extremity Conditions. Instructional Course Lecture 183 American Academy of Orthopaedic Surgeons 2010 Annual Meeting, New Orleans, LA; March 2010.

39. **Tolo ET**, Nonoperative Treatment of Distal Biceps Tendon Ruptures. New England Shoulder and Elbow Society 7th Annual Meeting, Jay Peak, T; February 2010.

40. **Tolo ET**, Distal Humeral Fractures. New England Shoulder and Elbow Society 7th Annual Meeting, Jay Peak, VT; February 2010.

41. **Tolo ET**, Enthesiopathies around the Elbow. New England Shoulder and Elbow Society 7th Annual Meeting, Jay Peak, VT; February 2010.

42. **Tolo ET**, Surgical Site Infections: Decreasing Risk in Orthopaedic Surgery. Orthopaedic Surgery Grand Rounds, Lahey Clinic, Burlington, MA;February 2010.

43. **Tolo ET**, Surgical Anatomy of 10 Common Upper Extremity Conditions. Instructional Course Lecture 281 American Academy of Orthopaedic Surgeons 2009 Annual Meeting Las Vegas, NV; February 2009.

44. **Baumfeld, JA.** Sociedad de Orthopedia y Traumatologia del Uruguay, Orthopaedic & Traumatology Uruguayan meeting, Invited speaker, Montevideo, Uruguay, September 2010

45. **Baumfeld, JA.** Mayo Graduate School of Medicine, Advanced Techniques in Shoulder Arthroplasty, Arthroscopy and Fractures, Lab Instructor, September 2010

46. **Baumfeld, JA.** John Hopkins Grand Rounds, Knee Dislocations, April 2010

47. **Baumfeld, JA.** Mayo Graduate School of Medicine, Advanced Techniques in Shoulder Arthroplasty, Arthroscopy and Fractures, Lab Instructor, April 2010

48. **Baumfeld, JA.** Arthroscopy Association North America "New Horizons" Advances in knee surgery Ligament Focus, Lab instructor, April 2010

49. **Baumfeld, JA.** New England Orthopaedic Society, Activity After Joint Arthroplasty, October 2009

50. **Baumfeld, JA.** New England Orthopaedic Society, Multiligament Knee Injuries, June 2009

51. **Baumfeld, JA.** Eastern Orthopaedic Association, Rotator Cuff / ACL Symposium, June 2009

52. **Baumfeld, JA.** Mayo Graduate School of Medicine, Advanced Techniques in Shoulder Arthroplasty, Arthroscopy and Fractures, Lab Instructor, May 2009

53. **Baumfeld, JA.** Arthroscopy Association North America "New Horizons" Advances in knee surgery Ligament Focus, Lab instructor, April 2009

54. **Soong M**, Ortmann F, Merrell G, Weiss APC. Long-term results of scapholunate ligament reconstruction with bone-retinaculum-bone autograft. 64th Annual Meeting, American Society for Surgery of the Hand, San Francisco, CA, September 2009.

55. Bishop G, **Soong M**. Design-specific analysis of volar plate-related flexor tendon ruptures. 37th Annual Meeting, New England Hand Society, Sturbridge, MA, December 2009.

56. **Thompson MS**. Total Hip Arthroplasty and Total Knee Arthroplasty; state-of-the-art, approaches, implants, complications and guidelines for rehabilitation Simmons College, March 2010

Grants

1. **Iorio R** (**Principle Investigator)**, **Healy WL**: *Transfusion Trigger Trial for Functional Outcomes in Cardiovascular Patients Undergoing Surgical Hip Fracture Repair (FOCUS).* National Heart, Lung

2. **Marcantonio A**. **(Principle Investigator**)*Fluid Lavage of Open Wounds (FLOW): A Multi-Center, Blinded, Factorial Trial Comparing Alternative Irrigating Solutions and Pressures in Patients with Open Fractures.* Funding from United States Army Institute of Surgical Research, Orthopaedic Trauma Research Program (OTRP)

3. **Marcantonio AJ.** (**Principle Investigator)** *Fixation using Alternative Implants for the Treatment of Hip Fractures): A Multi-Center Randomized Trial Comparing Sliding Hip Screws and Cancellous Screws on Revision Surgery Rates and Quality of Life in the Treatment of Femoral Neck Fractures (FAITH)*. National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS). Clinical Trials.gov Identifier: NCT00556842

4. **Marcantonio AJ.** (**Principle Investigator)** *Hip Fracture Evaluation with Alternatives of Total Hip Arthroplasty Versus Hemiarthroplasty (HEALTH)*. National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS).Clinical Trials.gov Identifier:NCT00556842