

PUBLICATIONS: MICHAEL O'ROURKE, M.D.

i. Peer Reviewed Paper

1. O'Rourke MR, Shi X, Gisolfi C, and Schedl H: Effect of absorption of D-glucose and water on paracellular transport in the rat duodenum-jejunum. *American Journal of Medical Science* 309(3): 146-151, 1995.
2. O'Rourke MR, and Grobler LJ: L4-L5 degenerative spondylolisthesis-indications and technique for operative management. *Iowa Orthopaedic Journal* 14: 76-86, 1998.
3. O'Rourke MR, Marsh JL, Steyers C, Bottlang M, Madey S, and Brown T: Articulated elbow external fixation-determinants for optimal hinge alignment. *Atlas of the Hand Clinics* 5(1): 173-190, 2000.
4. Bottlang M, O'Rourke MR, Madey SM, Steyers CM, Marsh JL, and Brown TD: Radiographic determinants of the elbow rotation axis: Experimental identification and quantitative validation. *J Orthop Res*; 18(5): 821-8, 2000.
5. Von Knoch F, Marsh JL, Steyers C, McKinley TO, O'Rourke MR, Bottlang M. A new articulated elbow external fixation technique for difficult elbow trauma. *Iowa Orthopaedic Journal* 21: 13-19, 2001.
6. O'Rourke MR, Callaghan JJ, Goetz DD, Sullivan PM, Johnston RC: Osteolysis in a cemented modular posterior cruciate substituting total knee design-five to eight year follow-up. *J. Bone Joint Surg. Am* 84(8): 1362-1371, 2002.
7. Callaghan JJ, O'Rourke MR: Picking your implant-all PS knees are not alike! *Orthopedics* 25(9): 977-978, 2002.
8. Callaghan JJ, O'Rourke MR, Schmalzried TP, Campbell PA, Johnston RC: Tibial post impingement in posterior-stabilized total knee arthroplasty. *Clin. Ortho. Rel. Res.* 404: 83-88, 2002.
9. O'Rourke MR, Weinstein SL: Avascular necrosis following isolated greater trochanter fractures in children - a report of two cases. *J. Bone Joint Surg. Am.* 85: 2000 - 2005, 2003.
10. O'Rourke MR, Paprosky W, Rosenberg AG: Use of structural allografts in acetabular revision surgery. *Clin. Ortho. Rel. Res.* 420:113-121, 2004.
11. Callaghan JJ, O'Rourke MR, Saleh KJ: Why knees fail: Lesons learned. *J.Arthroplasty* 19: 31-34, 2004.

12. Callaghan JJ, Savory CG, O'Rourke MR, Johnston RC: Are all cementless acetabular components created equal? *J. Arthroplasty* 19: 95-98, 2004.
13. O'Rourke MR, Rosenquist RW: Applying the ASRA Guidelines to the Use of Low-molecular-weight Heparin Thromboprophylaxis in Major Orthopedic Surgery. *J. Arthroplasty* 19: 1-5, 2004
14. Sporer SM, O'Rourke MR, Chong P, Paprosky WG: The Use of Structural Distal Femoral Allografts for Acetabular Reconstruction. Average Ten-Year Follow-Up. *J. Bone Joint Surgery Am.* 87: 760-765, 2005.
15. Callaghan JJ, O'Rourke MR. Avoiding Dislocation: But When It Happens! *Orthopedics* 27 (9): 957-958, 2004.
16. Callaghan JJ, O'Rourke MR, Goetz DD, Lewallen DG, Johnston RC, Capello WN. Use of a Constrained Tripolar Acetabular Liner to Treat Intraoperative Instability and Postoperative Dislocation after Total Hip Arthroplasty. *Clin. Orthop. Rel. Res.* 429: 117-123, 2004.
17. Callaghan Waddell, White, Anderson, O'Rourke: Use of structural allografts in acetabular revision surgery. *Clin Orthop.* 420: 113-21, 2004.
18. Callaghan JJ, O'Rourke MR, Liu SS: The Role of Implant Constraint in Revision Total Knee Arthroplasty; Not Too Little, Not Too Much. *J. Arthroplasty* 20: 41-43, 2005.
19. Callaghan JJ, O'Rourke MR, Liu SS: Blood Management: Issues and Options. *J. Arthroplasty* 20: 51-54, 2005.
20. Sporer SM, O'Rourke MR, Paprosky WG. The Treatment of Pelvic Discontinuity During Acetabular Revision. *J. Arthroplasty* 20(4 suppl 2): 79-84, 2005
21. Callaghan JJ, O'Rourke MR, Iossi MF, Liu SS, Goetz DD, Vittetoe DA, Sullivan PM, Johnston RC. Cemented rotating-platform total knee replacement – a concise follow-up, at a minimum of fifteen years, of a previous report.. *J. Bone Joint Surg. Am* 87(9):1995-1998, 2005
22. Callaghan JJ, O'Rourke MR, Johnston RC. The Uni Experience: History Tells it All. *Orthopaedics* 28(9):988, 2005
23. Sporer SM, O'Rourke MR, Chong P, Paprosky WG. The use of structural distal femoral allografts for acetabular reconstruction. Average ten-year follow-up. *J. Bone Joint Surg. Am.* 87(4):760-5, 2005.
24. O'Rourke MR, Gardner JJ, Callahan JJ, Liu SS, Goetz DD, Vittetoe DA, Sullivan PM, Johnston RC. Then John Insall Award: Unicompartmental knee replacement: a

- minimum twenty-one year follow-up, end-result study. *Clin Orthop Rel Res*. 440: 27-37, 2005.
25. Sporer SM, O'Rourke MR, Paprosky WG. Managing bone loss in Acetabular Revision. *Instr. Course Lect*. 55:287-97, 2006.
 26. Sporer SM, O'Rourke MR, Chong P, Paprosky WG. The use of structural distal femoral allografts for acetabular reconstruction. *J Bone Joint Surg Am*. 88(1 Suppl 1): 92-9, 2006.
 27. Paprosky WG, O'Rourke M, Sporer SM. Then treatment of acetabular bone defects with an associated pelvic discontinuity. *Clin Orthop Relat Res* 441: 216-220, 2005.
 28. Saltzman CL, Zimmerman M, O'Rourke MR, Brown TD, Buckwalter JA, Johnston RC. Impact of comorbidities on the measurement of health in patients with ankle osteoarthritis. *J Bone Joint Surg Am* 88(11):1387-92, 2006.
 29. Paprosky WG, Sporer SM, O'Rourke MR. The treatment of pelvic discontinuity with acetabular cages. *Clin Orthop Rel Res* 453:183-187, 2006.
 30. Yehyawi TM, Callaghan JJ, O'Rourke MR, Pedersen DR, Liu SS. Implications of Sagittal Femoral Bowing on Knee Arthritis and Total Knee Arthroplasty. – *submitted to CORR*
 31. Lundberg HJ, Liu SS, Callaghan JJ, Pedersen DR, O'Rourke MR, Goetz DD, Vittetoe DA, Clohisy J, Brown TD. Analysis of Retrieved Acetabular Liners for Impingement Damage and Embedded 3rd Body Debris. – *submitted to CORR*.

ii. Book Chapters

1. Callaghan JJ, O'Rourke MR. Implant options in primary Total knee arthroplasty In: *The Adult Knee*. Ed: Callaghan JJ, Rosenberg AG, Rubash HE. Philadelphia: Lippincott Williams & Wilkins, pp 1059-1066, 2003.
2. O'Rourke MR, Paprosky W. Structural allografts in acetabular revision. *Master Techniques in Orthopaedic Surgery-Hip arthroplasty*. New York: Raven Press, In Publication, 2004.
3. Callaghan JJ, O'Rourke MR, Sporer SM, Paprosky. Uncemented Acetabular Revision In: *Advanced Reconstruction Hip* Eds. Lieberman J and Berry D Rosement: AAOS, 2005.

4. O'Rourke MR, Callaghan JJ, Boezaart A. Surgery of the Knee Joint. In: Orthopaedic Anesthesia Ed. Boezaart A. New York: McGraw-Hill, In Press, 2005
5. O'Rourke MR, Callaghan JJ, Boezaart A. Surgery of the Hip Joint. In: Orthopaedic Anesthesia Ed. Boezaart A. New York: McGraw-Hill, In Press, 2005
6. O'Rourke MR. Complications in total hip arthroplasty In The Adult Hip 2nd Edition. Ed. Callaghan JJ, Rosenberg AG, Rubash HE. Philadelphia: Lippincott Williams & Wilkins, In press, 2005.
7. O'Rourke MR. Septic Joint. In: The Adult Hip 2nd Edition. Ed: Callaghan JJ, Rosenberg AG, Rubash HE. Philadelphia: Lippincott Williams & Wilkins, In press, 2005.

iii. Exhibits

1. Bottlang M, O'Rourke MR, Brown TD, and Marsh JL: Quantitative validation of radiographic landmarks for the application of articulated external fixation to the elbow and ankle joint. American Academy of Orthopaedic Surgery Annual Meeting, Anaheim, California, February 4-8, 1999.
2. Marsh JL, O'Rourke MR, Steyers CM, McKinley TO, von Knoch F, Bottlang M: Alignment of a hinged elbow fixator using radiographic landmarks. American Academy of Orthopaedic Surgery annual Meeting, Dallas, Texas, February 13-17, 2002.
3. Paprosky W, O'Rourke MR, Sporer S: Algorithmic approach to the revision acetabulum. American Academy of Orthopaedic Surgery annual Meeting, San Francisco, California, March 9-14, 2004.

iv. Posters

1. Callaghan JJ, Liu SS, Templeton JE, Gaffey JL, Goetz DD, Pedersen DR, O'Rourke MR, Sullivan PM, Johnston RC: Comparison of Cemented Femoral Components With Identical Geometry But With Different Surface Finishes. AOA Meeting, June 23-26, 2004, Boston, MA.
2. Callaghan JJ, Waddell JP, White K, Anderson FA, O'Rourke MR: Establishment and Maintenance of Joint Replacement Registry: Lessons from the North American Hip and Knee Registry. AOA Meeting, June 23-26, 2004, Boston, MA.
3. Gardner JJ, O'Rourke MR, Callaghan JJ, Liu SS, Goetz DD, Vittetoe DA, Sullivan PM, Johnston RC. Unicompartamental Knee Replacement: A Minimum 21-year Follow-up, End

- Result Study. American Academy of Orthopaedic Surgeons, Washington, DC, February, 2005.
4. Yehyawli TM, Callaghan JJ, O'Rourke MR, Pedersen DR, Liu SS. Implications of sagittal femoral bowing on knee arthritis and total knee arthroplasty. Medical Student Research Day - University of Iowa College of Medicine, September 2006.
 5. Yehyawli TM, Callaghan JJ, O'Rourke MR, Pedersen DR, Liu SS. Implications of sagittal femoral bowing on knee arthritis and total knee arthroplasty. Orthopaedic Research Society Annual Meeting, San Diego, CA, 2007.
 6. Lundberg HJ, Liu SS, Callaghan JJ, Pedersen DR, O'Rourke MR, Goetz DD, Vittetoe DA, Clohisy J, Brown TD. Analysis of Retrieved Acetabular Liners for Impingement Damage and Embedded 3rd Body Debris. Orthopaedic Research Society Annual Meeting, San Diego, CA, 2007

Presented Papers

1. O'Rourke MR, "Effect of luminal glucose concentration on the absorption of glucose via paracellular pathways." Senior thesis Day, University of Iowa, December 1992.
2. O'Rourke MR, Bottlang M, Marsh JL: "Quantitative Validation of Radiographic Landmarks of the Elbow Rotation Axis." Mid-America Orthopaedic Association, Bermuda, April 14-18, 1999.
3. O'Rourke MR, Callaghan JJ, Goetz DD, Sullivan PM, Johnston R. Modular posterior cruciate substituting total knee arthroplasty: is osteolysis a problem with a modular tibial tray? 19th annual meeting of the Mid-America Orthopaedic Association, Amelia Island, Florida, April 18-22, 2001.
4. O'Rourke MR, Callaghan JJ, Goetz DD, Sullivan PM, Johnston R. Osteolysis in a cemented modular posterior cruciate substituting total knee design-five to eight-year follow-up. 28th annual Senior Residents' Day, Department of Orthopaedic Surgery, University of Iowa, Iowa City, Iowa, June 7-8th, 2002.
5. O'Rourke MR, Paprosky W. Two to eight year follow-up of acetabular cages in revision hip arthroplasty. Resident and Fellow Thesis Day, Department of Orthopaedic Surgery, Rush University, Chicago, Illinois, June 27, 2003.
6. O'Rourke MR, Paprosky W. Two to eight year follow-up of acetabular cages in revision hip arthroplasty. American Academy of Orthopaedic Surgery Annual Meeting, San Francisco, CA, March 12th, 2004.
7. Sporer SM, Paprosky WG, O'Rourke MR. Structural Allografts for Acetabular Reconstruction. American

- Academy of Orthopaedic Surgery Annual Meeting, San Francisco, CA, March 12th, 2004.
8. O'Rourke MR, Paprosky W. Two to eight year follow-up of acetabular cages in revision hip arthroplasty. Mid-America Orthopaedic Association Annual Meeting, La Quinta, CA, April 16th, 2004
 9. Callaghan JJ, Gardner JJ, O'Rourke MR, Goetz DD, Vittetoe DA, Sullivan PM, Johnston RC. Unicompartmental Knee Replacement: A Minimum 21-year Follow-up Study. Knee Society Interim Meeting, Dallas, Tx, September, 2004.
 10. O'Rourke MR, Gardner JJ, Callaghan JJ, Liu SS, Goetz DD, Vittetoe DA, Sullivan PM, Johnston RC. Unicompartmental Knee Replacement: A Minimum 21-year Follow-up Study. American Association of Hip and Knee Surgeons Annual Meeting, Dallas, Tx, November, 2004.
 11. O'Rourke MR, Gardner JJ, Callaghan JJ, Liu SS, Goetz DD, Vittetoe DA, Sullivan PM, Johnston RC. John Insall Award: Unicompartmental Knee Replacement: A Minimum 21-year Follow-up Study. Knee Society Specialty Day, Washington, DC, February, 2005.
 12. O'Rourke MR, Callaghan JJ, Iossi MF, Goetz DD, Vittetoe DA, Sullivan PM, Johnston RC. Cemented Rotating Platform Total Knee Replacement – A Minimum Fifteen-year Follow-up Study. American Academy of Orthopaedic Surgeons Annual Meeting, Washington, DC, February, 2005.
 13. Gardner JJ, O'Rourke MR, Callaghan JJ, Liu SS, Goetz DD, Vittetoe DA, Sullivan PM, Johnston RC. Unicompartmental Knee Replacement: A Minimum 21-year Follow-up, End Result Study. Mid-America Orthopaedic Association Annual Meeting, Amelia Island, Fl, April, 2005.
 14. Iossi MF, O'Rourke MR, Callaghan JJ, Goetz DD, Vittetoe DA, Sullivan PM, Johnston RC. Cemented Rotating Platform Total Knee Replacement – A Minimum Fifteen-year Follow-up Study. Midamerica Orthopaedic Association Annual Meeting, Amelia Island, Fl, April, 2005.
 15. Firestone DE, Callaghan JJ, O'Rourke MR, Veach AL, Liu SS, Sullivan J, Goetz DD, Vittetoe DA, Johnston RC. Follow-up of a cemented collared matte finish femoral component at 19 to 20 years. American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL, 2006
 16. O'Rourke MR, Callaghan JJ, Lui S, Pedersen D, Johnston RC. Follow-up of a cemented colared matte finish femoral component at 19 to 20 years. Hip Society – Summer Meeting. Iowa City, IA September 2006.
 17. Lundberg HJ, Liu SS, Callaghan JJ, Pedersen DR, O'Rourke MR, Goetz DD, Vittetoe DA, Clohisy J, Brown TD Analysis

of Retrieved Acetabular Liners for Impingement Damage and Embedded 3rd Body Debris Hip Society – Summer Meeting. Iowa City, IA September 2006.

18. Callaghan JJ, Yehyawli TM, O'Rourke MR, Pedersen DR, Clark CR. Implications of sagittal femoral bowing on knee arthritis and total knee replacement. 23rd Annual Interim Knee Society Meeting. Alexandria, Virginia. September 2006.

Invited Lectures

1. O'Rourke MR. “Minimally Invasive Total Hip Replacement.” Interurban Orthopaedic Society Meeting, October 4, 2003.
2. O'Rourke MR. “Minimally Invasive Total Hip Replacement.” Iowa Orthopaedic Alumni Association, Iowa City, IA, October 18, 2003.
3. O'Rourke MR. “Hip Surgery at Iowa.” Surgical Services Monthly Meeting, October 28, 2003.
4. O'Rourke MR. “Trends in Hip Arthroplasty.” Iowa Physical Therapy Association Annual Meeting, November 13, 2003.
5. O'Rourke MR. “Minimally invasive total hip arthroplasty.” University of Iowa Department of Rehabilitation Therapies Noon Seminar, November 13, 2003.
6. O'Rourke MR. Hip development, disorders, and treatment. Iowa Society of Radiologic Technologists Annual Meeting, Iowa City, IA, April 23rd, 2004
7. O'Rourke MR. Small Incision Arthroplasty. 16th Annual Iowa Rheumatology Symposium, Coralville, IA, May, 2005.
8. O'Rourke MR. Hip fractures. Family Medicine, January 2006
9. O'Rourke MR. “Rotating Platform TKA” Emerging trends in Joint Arthroplasty, Whistler BC, February, 2006
10. O'Rourke MR. “Unicompartment knee arthroplasty – long-term outcome” Emerging trends in Joint Arthroplasty, Whistler BC, February, 2006
11. O'Rourke MR. “Unicompartment knee arthroplasty Instructional Course Lecture - Long-term outcome” Mid-America Orthopaedic Association Annual Meeting, San Antonio, TX, April, 2006
12. O'Rourke MR “Hip Surgery” Iowa Physical Therapy Society, Iowa City, IA, January, 2007
13. O'Rourke MR. “Who dislocates and when” Transforming Orthopaedics: New Technologies and Techniques, Park City, UT, March, 2007
14. O'Rourke MR “Treatments for osteonecrosis” Grand Rounds, University of Wisconsin, Madison, WI, April, 2007