

Frank C. Bohnenkamp MD

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Professional Experience

Rockford Orthopedic Associates, Ltd., Orthopaedic Surgeon at Crystal Lake Orthopedics
Crystal Lake, IL
August 2014 - Present

Education

Washington University Joint Preserving, Resurfacing, and Replacement Fellowship
St. Louis, MO
August 2013-July 2014

Board Eligible

ABOS Part 1 passed 7/11/2013

Medical Licensure

Illinois: #036135407

Missouri: #2013002761

University of Illinois at Chicago Orthopaedic Surgery Residency Program Chicago, IL
Including Internship in General Surgery June 2008-June 2013

University of Illinois at Chicago College of Medicine Chicago, IL
Doctor of Medicine (MD)-with Honors August 2004-May 2008

Department of Physiologic Imaging-University of Iowa Hospitals and Clinics Iowa City, IA
Research Assistant I-post graduate experience Biomedical Engineering August 2003- May 2004

University of Iowa College of Engineering Iowa City, IA
Bachelor in Science-Biomedical Engineering August 1999-August 2003
Graduated with Distinction

Honors and Awards

University of Illinois College of Medicine at Chicago, Department of Orthopaedics-Recipient June 22, 2013
Asok K. Ray MD Academic Achievement Award for superior knowledge of Orthopaedic Surgery

Mid-America Orthopaedic Association
Senior Resident Education Grant Award- Recipient 2013

University of Illinois-Chicago College of Medicine
Association of Pathology Chairs Honor Society - Inducted 2006
Arnold Zimmerman Award for highest achievement in Gross Anatomy and Embryology - 2004 - 2005
Alpha Omega Alpha Honor Medical Society - Inducted 2007

University of Iowa-College of Engineering
Graduation with Distinction (top 10% of class) in the College of Engineering - 2003
Tau Beta Pi National Engineering Honor Society, inducted 2002
Phi Eta Sigma Honor Society 2000

Research Interests and Academic Work

Research in Progress:

- Stambough J, Sassoon A., **Bohnenkamp F.**, Nunley R. Changing trends in revision total hip arthroplasty in the last 10 years.
- Sassoon A., **Bohnenkamp F.**, Nunley R., Baca G. Multicenter study on early outcomes from the use of distal femur endo-prostheses in the setting of fractures.
- **Bohnenkamp F.**, Pashos G, Clohisy J. Midterm comparison of radiographic and clinical outcomes between different bearing surfaces in total hip arthroplasty in patients younger than 50.

• **Publications:**

- Stambough J., Pashos G., **Bohnenkamp F.**, et.al. Long-term results of total hip arthroplasty with 28-millimeter cobalt-chromium femoral heads on highly cross-linked polyethylene in patients 50 years or less. *The Journal of Arthroplasty. Vol 31, Number 1, January 2016.*
- Savin D., Lee S., **Bohnenkamp F.**, Pastor A, Goldberg B. Technical errors may affect accuracy of torque limiter use with locking plate osteosynthesis. *The American Journal of Orthopedics. AMJORTHOP-D-14-00261R1. In Publication.*
- Shah R., **Bohnenkamp F.**, Radiographic Evaluation of The Hip. Chapter 110. *Comprehensive Orthopaedic Review 2nd Ed. AAOS. Publication in 8/2014.*
- Merz, M., **Bohnenkamp F.**, Sulo, S., Gordon, A., Goldstein, W. Perioperative Differences in Conventional and Computer-Assisted Surgery in Bilateral Total Knee Arthroplasty *The American Journal of Orthopedics. Accepted for publication 2/20/2014-The American Journal of Orthopedics. AMJORTHOP-D-14-00011R2.*
- Watson, J., **Bohnenkamp F.**, Moretti V. Variability in locations of hip neurovascular structures and their proximity to hip arthroscopic portals. *Accepted for publication 12/17/2013-The Journal of Arthroscopic and Related Surgery.*
- **Bohnenkamp F.**, Shah R. Biomaterials and Biomechanics of Total Hip Arthroplasty. *Pocket Orthopaedics. Lippincotts. Submitted 7/2012 for print.*

• **CME accredited Grand Rounds presentations, Chicago IL:**

- February 27, 2010: Subtalar Dislocations: epidemiology, management and outcomes-Foot and ankle, Trauma
- March 27, 2010: Tibial Plafond Fractures: epidemiology, management and outcomes-Trauma
- May 1, 2010: Distal Radioulnar joint Arthroplasty: case series and management and clinical outcomes-Hand Surgery
- November 6, 2010: Hip dysplasia, Pelvic Osteotomies: management of primary and revision surgeries-Pediatric Orthopaedics
- April 2, 2011: Extensor Tendon Reconstruction after failed Total Knee Arthroplasty-Adult Reconstruction.
- June 25, 2011: Adult Elbow Trauma-Adult Trauma.
- October 22, 2011: Treating the Mangled Foot- Adult Trauma.
- December 10, 2011: Recurrent Total Hip Dislocation-Hip Reconstruction.
- April 21, 2012: Charcot Marie Tooth Disease-Foot and Ankle Surgery.
- December 15, 2012: Insertional Achilles Tendinopathy-Rehab medicine.

Attended and Completed Specialty Courses:

- Oxford Advanced Instructional Course and Certification, February 2016. San Francisco, CA.
- Birmingham Hip Resurfacing procedure, certified provider July 2014. St. Louis, MO.
- St. Louis Hip Skills Course: Hip Arthroscopy and Preservation Procedures, St Louis, MO.
- Oxford Unicdylar knee arthroplasty non-certifying course, St. Louis, MO.
- AO North America Basic Principles and Techniques of Operative Fracture Management Course for Residents, Covington, KY.
- AANA (Arthroscopic Association of North America): Fundamentals in Arthroscopy. Copernicus Initiative Project Participant. Orthopaedic Learning Center, Rosemont IL.
- University of Illinois At Chicago Department of Orthopaedics Upper Extremity Trauma Symposium-

AAOS Orthopaedic Learning Center, Rosemont IL

- NASS (North American Spine Society) Spine Symposium-NASS headquarters, Burr Ridge, IL
- University of Illinois At Chicago Department of Orthopaedics Adult Reconstruction course-AAOS Orthopaedic Learning Center, Rosemont IL
- DePuy Orthopaedics: Introduction to Total Knee & Total Hip Arthroplasty-Hotel Intercontinental Rosemont, IL.
- Rush University Department of Orthopaedics Lower Extremity Trauma Course, Chicago, IL.
- 13th Annual Chicago Trauma Symposium, Palmer House Hilton, Chicago, IL.
- Minimally Invasive Percutaneous Osteosynthesis, Styker Course, Phoenix, Az.
- 14th Annual Chicago Trauma Symposium, Palmer House Hilton, Chicago IL.
- University of Chicago Annual Pathology and Bone/Soft Tissue Tumor Course, Chicago, IL .
- Miller Orthopaedic Review Course 2013, Westminster, Co.

Regional Presentations

- Total Joint Revision. Case presentations. CDI CEU Seminar. Elgin, Illinois 11/1/2014.
- **Bohnenkamp F.**, Pashos G, Clohisy J. Midterm comparison of radiographic and clinical outcomes between different bearing surfaces in total hip arthroplasty in patients younger than 50. Washington University in St. Louis, St. Louis 7/24/2014.
- Extensor Mechanism Pathology in Total Knee Arthroplasty. Grand Rounds Presentation. Washington University in St. Louis. St. Louis 12/4/2013.
- Case presentation of total hip arthroplasty in the setting of an acute intertrochanteric hip fracture. Bi-annual St. Louis Orthopaedic Society. 10/02/2013.
- Variability in Neurovascular Anatomy and its Relationship to Hip Arthroscopy. Senior Thesis Presentation-University of Illinois at Chicago 6/23/2013.
- Charcot Marie Tooth Disease-Foot and Ankle. Presented at Shriner's Hospitals for Children, Oak Park Illinois - 7th Annual Millar Symposium Day 5/11/2012.

National Posters/Presentations

- Sassoon A., **Bohnenkamp F.**, Cass J., Sems S. Distal Femoral Replacement in the Treatment of Fractures: Low Complication Rates and Early Ambulation. Paper #390 AAOS annual meeting 2016. Orlando, Florida.
- Sassoon, A., **Bohnenkamp F.**, Baca G., Pashos G., Clohisy J. THA in Patients 21 and Younger Using Highly Cross Linked Polyethylene: Encouraging Mid-term Results. Paper #408 AAOS annual meeting 2016. Orlando, Florida.
- **Bohnenkamp F.**, Martell J., Pashos G., Clohisy J. Wear analysis and outcomes of total hip arthroplasty using three different bearing couples in young patients. Paper # 10 AAOS annual meeting 2015. Las Vegas, Nevada.
- **Bohnenkamp F.**, Keeney J., Stambough J., Martell J., Pashos G., Clohisy J. 10 year results of total hip arthroplasty with highly cross-linked polyethylene in patients 50 years and less. Paper #7 AAOS annual meeting 2015. Las Vegas, Nevada.
- Schwindel L., **Bohnenkamp F.**, Moretti V., Esposito D, Gourineni, P. Radiographic Evidence of Femoroacetabular Impingement Increases the Risk of Traumatic Dislocation of the Hip. AO North America annual meeting. February 5-7, 2015. Las Vegas, Nevada.
- Clohisy J., Keeney J., Martell J., Pashos G., **Bohnenkamp F.** 10 year results of total hip arthroplasty with highly cross-linked polyethylene in patients 50 years and younger. AAHKS annual meeting. November 6-9, 2014. Dallas, Texas.
- Sassoon A., **Bohnenkamp F.**, Baca G., Pashos G., Clohisy J. Total hip arthroplasty in patients 21 and younger using highly crossed linked polyethylene: excellent survivorship at 5 years. AAHKS annual meeting. November 6-9, 2014. Dallas, Texas.
- Sassoon A., **Bohnenkamp F.**, Baca G., Pashos G., Clohisy J. Total hip arthroplasty in patients 21 and younger using highly crossed linked polyethylene: excellent survivorship at 5 years. Southern Orthopaedic

Association 31st Annual Meeting, July 16-19,2014. Beaver Creek, Colorado.

- **Bohnenkamp F.**, Nunley R., et.al. New TKA designs: Did the patient's notice? Paper #10 presentation 4/24/2014. Mid-America Orthopaedic Association 32nd Annual Meeting, April 23-27, 2014. 71. San Antonio, Texas.
- **Bohnenkamp F.**, Sassoon A., Baca G., Pashos G. Clohisy J. Total hip arthroplasty in patients 21 and younger using highly cross linked polyethylene: excellent survivorship at 5 years. POSNA April 30-May 3, 2014. Paper Presentation #38. Hollywood, California.
- Savin D., **Bohnenkamp F.**, Pastor A., Goldberg B. Accuracy and Precision of Torque Limiters with Locking Plate Osteosynthesis. #193-TR07 Podium Presentation AOA/COA meeting, Montreal June 2014.
- Moretti V., Wang O., **Bohnenkamp F.**, Schwindel L, Hutchinson M. Variability of Brachial Artery Position with Elbow Flexion and Forearm Rotation. 60th Annual Meeting of the ORS, March 15-18, 2014. #1915. New Orleans, Louisiana.
- Schwindel L., **Bohnenkamp F.**, Moretti V., Esposito D, Gourineni, P. Radiographic Evidence of Femoroacetabular Impingement Increases the Risk of Traumatic Dislocation of the Hip. Mid-America Orthopaedic Association 32nd Annual Meeting, April 23-27, 2014. 71. San Antonio, Texas.
- Moretti V., Wang O., **Bohnenkamp F.**, Schwindel L, Hutchinson M. Variability of Brachial Artery Position with Elbow Flexion and Forearm Rotation. Mid-America Orthopaedic Association 32nd Annual Meeting, April 23-27, 2014. 42. San Antonio, Texas.
- Merz M., **Bohnenkamp F.**, Sadr K., Goldstein W., Gordon A. Complications in conventional versus computer-assisted navigation in sequential bilateral total knee arthroplasty. 13th Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery, Orlando, Florida.
- Merz M., **Bohnenkamp F.**, Sadr K., Gordon A. Complications in Conventional Versus Computer-Assisted Navigation in Sequential Bilateral Total Knee Arthroplasty. Mid-America Orthopaedic Association 31st Annual Meeting, April 17-21, 2013. 24-AB. Amelia Island, Florida.
- Merz M., **Bohnenkamp F.**, Goldstein J., Goldstein W. 6-Year Review of Efficacy of Preoperative Vena Cava Filters in Arthroplasty Patients at Risk for Pulmonary Embolism. Mid-America Orthopaedic Association 31st Annual Meeting, April 17-21, 2013. Podium Presentation. Amelia Island, Florida.
- Simons M., **Bohnenkamp F.**, Bronsnick D., Goldstein W. Radiographic Comparison of Limb Length Discrepancies in Single-Stagevs. Two-Stage Bilateral Total Hip Arthroplasty. Mid-America Orthopaedic Association 31st Annual Meeting, April 17-21, 2013. 42-A. Amelia Island, Florida.
- **Bohnenkamp F.**, Simons M., Goldstein W. Radiolucent Lines of the posterior femoral condyles in rotating versus fixed-bearing total knee arthroplasties. Mid-America Orthopaedic Association 31st Annual Meeting, April 17-21, 2013. 31-A. Amelia Island, Florida.
- Merz M., **Bohnenkamp F.**, Goldstein J., Goldstein W. 6-Year Review of Efficacy of Preoperative Vena Cava Filters in Arthroplasty Patients at Risk for Pulmonary Embolism. Poster AAOS 2013.
- **Bohnenkamp F.**, Siemionow K, Amouriche F. "The Effects of Progressive Adjacent Level Intervertebral Disc Degeneration on Stress Distribution in the Fused Lumbar Spine, a Finite Element Analysis" Lumbar Spine Research Society's 4th Annual Meeting in Chicago, Illinois. May 5-6th, 2011.
- Kumar D, Cong W, **Bohnenkamp F.** "Development of Lung Tissue Phantoms for Bioluminescent Imaging" SPIE optics and Photonics Proc. Denver CO. August 4, 2004.

Activities/Affiliations (Current and Past)

- Centegra Health Systems Trauma Committee – member 2016
- American Association of Orthopaedic Surgery -candidate member 2014
- American Association of Hip and Knee Surgeons- Member 2014
- The J. Albert Key Washington University Orthopaedic Society-member June 2014
- Mid-America Orthopaedic Association- candidate

Member 2013

- Crystal Lake Orthopedics local area varsity high school football-Team Physician
- Arthroscopic Association of North America-resident member
- AO-North America – Resident member 2009

-Graduate Medical Education Internal review Board-Review Board Resident Member 2011

-Medical Student instructor in Musculoskeletal examinations and Orthopaedics Sub-specialty, co-author of instructional guide to orthopaedics for medical students 2010-2011

-Volunteer for UIC sporting events as participating team physician 2009-2013

-Fracture Conference, designed and initiated by 2013 class at UIC Orthopaedic residency

-Theta Tau professional engineering fraternity, alumnus 2003