

CURRICULUM VITAE

**Frank R. Kolisek, M.D.**

**PRIVATE PRACTICE:**

**OrthoIndy**  
1260 Innovation Parkway  
Greenwood, IN 46143  
**President** (2005 – 2013)

**MEDICAL DIRECTORSHIPS:**

**Medical Director** (2010 – 2012)  
St. Vincent Center for Joint Replacement  
8402 Harcourt Road, Suite 128  
Indianapolis, IN 46260

**Medical Director** (1997 – 2008)  
St. Francis Center for Joint Replacement  
5255 E. Stop 11 Road, Suite 300  
Indianapolis, IN 46237

**Medical Director** (1993 – 1997)  
Community Health – South Joint Replacement Program  
1402 E. County Line Road South  
Indianapolis, IN 46227

**LICENSURE:**

Indiana License - #01039720

**EDUCATION:**

FELLOWSHIP:

1991-1992  
Arthritic Reconstructive Surgery of the Hip and Knee  
Emory University and Peachtree Orthopaedic Clinic  
Piedmont Hospital, Joseph H. Dimon, III, M.D.  
Atlanta, GA

RESIDENCY:

1987-1991  
Orthopaedic Surgery  
University of FL Health Science Center  
Jacksonville Urban Campus

INTERNSHIP:

1986-1987  
General Surgery  
Jacksonville Health Education Program  
University Medical Center of Jacksonville, FL

MEDICAL SCHOOL:

1982-1986  
University of Illinois College of Medicine at Peoria  
Peoria, Illinois

UNDERGRADUATE:

1978-1982  
Wabash College, Crawfordsville, IN  
Bachelor of Arts in Chemistry

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**BOARD CERTIFICATION:**

American Board of Orthopaedic Surgery: 1994, 2004, & 2014

**FACULTY APPOINTMENTS:**

Clinical Assistant Professor  
College of Osteopathic Medicine  
Marian University  
Indianapolis, IN 2012 - Present

Assistant Clinical Professor  
Department of Orthopaedic Surgery  
Emory University School of Medicine  
Atlanta, GA, 1991 - 1992

Assistant Clinical Professor  
Department of Orthopaedic Surgery  
Indiana University School of Medicine  
Indianapolis, IN

**PROF. MEMBERSHIPS:**

American Academy of Orthopaedic Surgeons  
American Association of Hip and Knee Surgeons  
IN Orthopaedic Society  
IN State Medical Society  
Indianapolis Medical Society  
Indianapolis Orthopaedic Club  
Mid-America Orthopaedic Association

**ADVISORY BOARDS:**

Arthritis Foundation Board, Indianapolis Chapter, 2000  
*Clinical Orthopaedics and Related Research*, Reviewer  
*Current Orthopaedic Practice* Reviewer  
*Journal of Knee Surgery*, Reviewer  
Ortho Tech Review Editorial Advisory Board  
*Orthopaedic Knowledge Online Journal*, Reviewer  
*Orthopedics* Review Panel Member  
Stryker MAKO Robotic Technology Review Board  
Stryker Orthopaedics Innovative Council  
Wabash College, Board of Trustees

**RESEARCH:**

**Principal Investigator:** 5-year follow up of the Accolade® II stem. OrthoIndy, Indianapolis, IN. Retrospective study initiated July 2018.

**Co-Investigator:** Clinical Survivorship and Outcomes of X3 Polyethylene in Total Knee Arthroplasty at Minimum 10 Years Follow-up. Retrospective study initiated July 2018.

**Co-Investigator:** In Vivo Wear Analysis of X3 Polyethylene Liners in Total Hip Arthroplasty at Minimum 10 Years Follow-up. Retrospective study initiated July 2018.

**Principal Investigator:** Functional improvement in patients with osteoarthritis of the knee through use of energy dispersive bracing. OrthoIndy, Indianapolis, IN. Prospective study initiated November 2014.

**Principal Investigator:** Early clinical performance of the Accolade® II stem. OrthoIndy, Indianapolis, IN. Retrospective/prospective study initiated September 2013.

**Principal Investigator:** A 12-month prospective, post-market study of early postoperative Compex Rehab use in total knee arthroplasty patients. OrthoIndy, Indianapolis, IN. Prospective study initiated January 2013.

**Principal Investigator:** 5-year prospective post-market pilot study of the Biolox® Delta 36mm and larger femoral heads with Trident X3 polyethylene inserts. OrthoIndy, Indianapolis, IN. Prospective study initiated June 2009.

**Co-Investigator:** A multi-center activity survey study assessing the patient's pre and post-op activity levels following total knee arthroplasty. OrthoIndy, Indianapolis, IN. Prospective study initiated June 2007.

**Principal Investigator:** Comparison between the Scorpio NRG and Scorpio total knee arthroplasty systems. OrthoIndy, Indianapolis, IN. Prospective study initiated June 2007.

**Co-Investigator:** A multi-center comparison of pre and post-op activity levels of total hip arthroplasty patients. OrthoIndy, Indianapolis, IN. Prospective study initiated September 2007.

**Principal Investigator:** A Multi-center clinical study evaluating the safety and effectiveness of the Scorpio® + PS Mobile Bearing Knee to the Osteonics Scorpio® knee. Saint Francis Hospital, Indianapolis, IN. Two-year prospective study initiated January 2006.

**Co-Investigator:** Collection of specimens from joint replacement surgery for in-vitro arthritis research. Saint Francis Hospital, Indianapolis, IN. Prospective study initiated December 2004.

**Principal Investigator:** The Stryker Howmedica Osteonics® multi-center clinical investigation using a less invasive surgical approach for total knee arthroplasty. Saint Francis Hospital, Indianapolis, IN. Five-year prospective study initiated April 2003.

**Principal Investigator:** Flexibility in administration of Arixtra® for prevention of symptomatic venous thromboembolism in orthopedic surgery. Saint Francis Hospital, Indianapolis, IN. Multi-site prospective study initiated November 2002.

**Principal Investigator:** The Osteonics Scorpio® cruciate retaining total knee system multi-center clinical study. Saint Francis Hospital, Indianapolis, IN. Five-year prospective study initiated October 2001.

**Principal Investigator:** The Osteonics Scorpio® posteriorly stabilized total knee system multi-center clinical study. Saint Francis Hospital, Indianapolis, IN. Five-year prospective study initiated February 1998.

**Co-Investigator:** A retrospective study of vibration-induced carpal tunnel syndrome with David E. Connor, MD, Orthopaedic Surgeon at University of Illinois College of Medicine at Peoria. Published 1986.

Deltoid Ligament Study - Non-operative treatment, University Medical Center of Jacksonville 1988.

A retrospective review of supracondylar and intercondylar femur fractures. University Medical Center of Jacksonville 1989.

### **PAPERS AND PUBLICATIONS:**

Sodhi N, Khlopas A, Sultan AA, Newman JM, Jaggard C, Mont MA, Kolisek FR. Linear Wear Rates of a Highly Cross-Linked Polyethylene Hip Liner. *Surg Technol Int.* 2018:XXXIII.

Faour M, Khlopas A, Elmallah RK, Chughtai M, **Kolisek FR**, Barrington JW, Mont MA. The role of barbed sutures in wound closure following knee and hip arthroplasty: a review. *J Knee Surg.* 2018. doi: 10.1055/s-0037-1615812.

Scholl LY, **Kolisek FR**, Chen A, Bhave A, Freedhand A, Alipit V, Hampp E, Mont MA. What factors influence surgeon posture and perceived workload during TKA? 2018.

**Kolisek FR**, Jaggard CE, Khlopas A, Mont MA. A comparative effectiveness study for non-operative treatment methods for knee osteoarthritis. *Surg Technol Int*. 2018:XXXII.

**Kolisek FR** et al. Radiographic Analysis of Robotic-Arm Assisted versus Manual Total Knee Arthroplasty. Abstract presented at ORS 2018.

Bonutti PM, Sodhi N, Patel YH, Sultan AA, Khlopas A, Chughtai M, **Kolisek FR**, Williams N, Mont MA. Novel Venous Thromboembolic Disease (VTED) Prophylaxis for Hip and Knee Arthroplasty - Aspirin and Fish Oil. *Ann Transl Med*. 2017 Dec;5(Suppl 3):S30. doi: 10.21037/atm.2017.11.22

Kurtz SM, Lau E, Ong K, Adler E, **Kolisek FR**, Manley M. Has healthcare reform legislation reduced the economic burden of hospital readmissions following primary total joint arthroplasty? *J Arthroplasty*. 2017. DOI: 10.1016/j.arth.2017.05.059.

Harwin SF, Mistry JB, Chughtai M, Khlopas A, Gwam CU, Newman JM, Higuera C, Bonutti PM, Malkani AL, **Kolisek FR**, Delanois RE, Mont MA. Dual mobility acetabular cups in primary total hip arthroplasty in patients at high risk for dislocation. *Surg Technol Int*. 2017.

Kurtz SM, Lau E, Ong K, Adler E, **Kolisek FR**, Manley M. Which clinical and patient factors influence the national economic burden of hospital readmissions after total joint arthroplasty? *Clin Orthop Rel Res*. 2017. DOI: 10.1007/s11999-017-5244-6.

**Kolisek FR**, Chughtai M, Mistry JB, Elmallah RK, Jaggard C, Malkani AL, Masini MA, Harwin SF, Mont MA. Outcomes of second-generation tapered wedge femoral stem. *Surg Technol Int*. 2016;XXVIII.

Mont MA, **Kolisek FR**. Improved stability with dual mobility acetabular cups in primary total hip arthroplasty. *Clin Orthop Rel Res*. 2016 [in review].

Chughtai M, Mistry JB, Diedrich AM, Jauregui JJ, Elmallah RK, Bonutti PM, Harwin SF, Malkani AL, **Kolisek FR**, Mont MA. Low frequency of early complications with dual-mobility acetabular cups in cementless primary THA. *Clin Orthop Rel Res*. 2016. DOI: 10.1007/s11999-016-4811-6.

Kurtz SM, Lau E, Ong K, Adler E, **Kolisek FR**, Manley M. Hospital, patient, and clinical factors influence 30- and 90-Day readmission following total hip replacement. *Clin Orthop Rel Res*. 2016 [in review]. Podium presentation at 2015 Hip Society.

Kurtz SM, Lau E, Ong K, Adler E, **Kolisek FR**, Manley M. Which hospital and clinical factors drive 30-day readmission after TKA? *J Arthroplasty*. 2016. DOI:10.1016/j.arth.2016.03.045. Abstract presented at Knee Society 2015.

Nevelos J, Amantullah D, Jaggard CE, Roger D, Masini M, **Kolisek FR**, Pagnano M. Cadaveric evaluation and short-term outcomes of minimally invasive total hip arthroplasty performed with the direct superior approach [abstract]. Abstract submitted to the 16<sup>th</sup> EFFORT Congress, AAOS, and AAHKS 2015.

Jaggard CE, **Kolisek FR**, Roger D. Early results of minimally invasive total hip arthroplasty using the direct superior approach [abstract]. Abstract submitted to AAOS and AAHKS 2015.

**Kolisek FR**, Jaggard CE. Neuromuscular electrical stimulation research. *InsideOI*. 2013;8(1):12-13.

**Kolisek FR**, Issa K, Harwin SF, Jaggard CE, Naziri Q, Mont MA. Minimum 5-year follow-up for primary THA using a tapered, proximally coated cementless stem. *Orthopedics*. 2013;36(5):e633-36.

Malkani A, Wuestemann T, Bastian A, Nessler J, **Kolisek FR**. A tapered hip stem design optimized for femoral fit in a wide array of bone types. Abstract submitted to AAOS and AAHKS 2012.

Naziri Q, Costa C, Mont MA, **Kolisek FR**, Johnson AJ. Patellofemoral arthroplasty: 7-year mean follow-up. *J Arthroplasty*. 2012;27(3):358-61. Abstract also submitted to AAOS 2011.

**Kolisek FR**, Mont MA, Costa CR, Jaggard CE, Johnson AJ. A comparison study of two cruciate-retaining total knee designs: a preliminary report. *Surg Technol Int*. 2012;XXI:194-98.

Barnes CL, **Kolisek FR**, Brewer R, Jaggard CE. Long-term follow-up of single radius of curvature posterior stabilized TKR: 10-year results [abstract]. Abstract submitted to AAOS 2011.

Mont MA, Khanuja HS, Naziri Q, Jaggard CE, **Kolisek FR**, Johnson AJ. Minimum 5-year follow-up for total hip arthroplasty using proximally coated cementless stems [abstract]. Abstract submitted to AAOS 2011.

Wuestemann T, Bastian A, Parvizi J, **Kolisek FR**. A novel tapered hip stem design optimized for femoral fit in a wide array of bone types [abstract]. Abstract submitted in *Orthopaedic Research Society 2010* and at the 12<sup>th</sup> EFORT Congress, June 2011.

**Kolisek FR**. Joint replacement: moving forward. *InsideOI*. 2011;6(1):11-12.

Seyler TM, Marker DR, Bonutti PM, **Kolisek FR**, McGrath MS, Zywiell M, Johnson AJ, Mont MA. Athletic activity following total hip arthroplasty: assessment and outcomes [abstract]. Abstract submitted to and presented at AAOS 2010.

Ulrich SD, Kolisek FR, Delanois RE, Mont MA. Indications for revision total hip arthroplasty. 2009 (Chapter).

**Kolisek FR**, Mont MA, Jessup NM, Marker DR, Seyler TM, Barnes CL. Posterior-stabilized versus posterior cruciate ligament-retaining total knee arthroplasty. *Iowa Orthop J*. 2009;29:23-27. Abstract also submitted to and presented at AAOS 2008.

Marker DR, Mont MA, Seyler TM, McGrath MS, **Kolisek FR**, Bonutti PM. Does functional improvement following TKA correlate to increased sports activity? *Iowa Orthop J*. 2009;29:11-16. Abstract also submitted to AAOS 2008.

Greene JW, Malkani AL, **Kolisek FR**, Jessup NM, Baker DL. Ceramic-on-ceramic total hip arthroplasty. *J Arthroplasty*. 2009;24(1):15-18. Abstract also submitted to and presented in AAHKS 2008.

**Kolisek FR**, McGrath MS, Jessup NM, Monesmith EA, Mont MA. Comparison of outpatient versus inpatient total knee arthroplasty. *Clin Orthop Rel Res*. 2009;24(6):15-18. Abstract submitted to AAOS 2008 and The Knee.

Leadbetter WB, **Kolisek FR**, Levitt RL, Brooker AF, Zietz P, Marker DR, Bonutti PM, Mont MA. Patellofemoral arthroplasty: a multi-centre study with minimum 2-year follow-up. *Int Orthop*. 2009;33(6):1597-1601. Abstract also submitted to and presented at AAOS 2007.

**Kolisek FR**, Jessup NM, Mont MA, Ragland PS, Seyler TM. A comparison of the minimally invasive dual-incision versus posterolateral approach in total hip arthroplasty. *Surg Technol Int*. 2008;17:253-258.

Mont MA, Marker DR, Seyler TM, Jones LC, **Kolisek FR**, Hungerford DS. High-impact sports after total knee arthroplasty. *J Arthroplasty*. 2008;23(6 Suppl 1):80-84.

**Kolisek FR**, Mont MA, Seyler TM, Marker DR, Jessup NM, Siddiqui JA, Monesmith EA, Ulrich SD. Total knee arthroplasty using cementless keels and cemented tibial trays: 10-year results. *Int Orthop*. 2009;33(1):117-121. Abstract also submitted to and presented at AAOS 2007.

Bonutti PM, Seyler TM, Mont MA, Marker DR, **Kolisek FR**. MIS TKA in obesity class II and morbidly obese patients: a comparison to standard TKA [abstract]. Abstract submitted to AAOS 2008.

Mont MA, Ulrich SD, **Kolisek FR**, Seyler TM, Marker DR, Bonutti PM. Primary total hip arthroplasty in octogenarians: is the risk worth the benefit [abstract]? Abstract submitted to AAOS 2008.

**Kolisek FR**, Bonutti PM, Hozack WJ, Purtill J, Sharkey PF, Zelicoff SB, Ragland PS, Kester M, Mont MA, Rothman RH. Clinical experience using a minimally invasive surgical approach for total knee arthroplasty: early results of a prospective randomized study compared to a standard approach. *J Arthroplasty*. 2007;22(1):8-13.

**Kolisek FR**, Bonutti PM, Delanois R, Plate J, Seyler TM, Jessup NM, Marker D, Mont MA. The outcome of total knee arthroplasty in obese patients [abstract]. Abstract submitted to AAOS 2007.

**Kolisek FR**, Jessup NM, Mont MA, Seyler TM. Comparison of a deep flexion and a standard TKA design [abstract]. Abstract submitted to AAOS 2007.

**Kolisek FR**, Barnes CL, Harwin S, Mont MA, Seyler TM, Malkani A, Morawa L. The outcome of posterior ligament retaining total knee arthroplasty [abstract]. Abstract submitted to AAOS 2007.

Clohisy JC, Rogers C, Seyler TM, **Kolisek FR**, Delanois RE, Plate JF, Mont MA. THA viable for patients younger than 25 years of age [abstract]. Abstract submitted to and presented at AAOS 2007.

**Kolisek FR**, Barnes CL. Scorpio posterior-stabilized knee system: 5-year clinical and functional results. *J Arthroplasty*. 2006;21(8):1187-1192.

Mason M, Belisle A, Bonutti PM, **Kolisek FR**, Malkani AL, Masini M. An accurate and reproducible method for locating the joint line during a revision total knee arthroplasty. *J Arthroplasty*. 2006; 21(8):1147 -1153.

**Kolisek FR**, Gilmore KJ, Peterson EK. Slide and flex, tighten, extend (SAFTE): A safe, convenient, effective, and no-cost approach to rehabilitation after total knee arthroplasty. *J Arthroplasty*. 2000;15(8):1013-1016.

**Kolisek FR**. Case reports: 1) Knee revision - is it necessary? 2) What is the best approach to treating osteoarthritis and rickets? *Ortho Tech Review*, 1(1). April/May 1999.

**Kolisek FR**, Dimon J. Surgical technique protocol for the Osteonics 255mm straight specialty stem. 1993.

**Kolisek FR**, Dimon J. A technique of femoral osteotomy in cementless revision total hip arthroplasty, 1992.

**Kolisek FR**, Fipp G. Cementless revision of total hip arthroplasty using the PCA long-stem prosthesis. 1991.

Connor DE, **Kolisek FR**. Vibration-induced carpal tunnel syndrome. *Orthop Rev*. 1986;15(7):447-452.

**HONORS AND ACCOLADES:**

Arthritis Foundation of Indiana Honoree of the Year, 2010

*Becker's Orthopedic, Spine, and Pain Management Review*: 125 Outstanding Knee Surgeons; 2012

*Becker's Orthopedic, Spine, and Pain Management Review*: 70 Outstanding Hip Surgeons; 2012

*Becker's Orthopedic, Spine, and Pain Management Review*: 65 Orthopedic Surgeons Recommended by Orthopedic Surgeons; June 5, 2017

*Becker's Orthopedic, Spine, and Pain Management Review*: Orthopedic Surgeon to Know: Dr. Frank Kolisek of OrthoIndy; March 23, 2018

*Indianapolis Monthly*: Top Doctors – Orthopaedic Surgery: 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, & 2018

*U.S. News & World Report*: Top Doctors! 2011 and 2012 (award no longer offered)

**PRESENT AFFILIATIONS:**

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