



Mick P. Kelly M.D.

EDUCATION/TRAINING

- 2020-2021 **Fellow, Adult Reconstruction**
University of Utah - Salt Lake City, UT
- 2015-2020 **Resident Physician, Orthopedic Surgery**
Rush University Medical Center - Chicago, IL
- 2011-2015 **Doctor of Medicine (MD), Alpha Omega Alpha Medical Honor Society, (Rank #1/156)**
University of Wisconsin School of Medicine and Public Health - Madison, WI
- 2006-2010 **Bachelor of Science (BS), Biology with Honors, (Rank #1,3623, College of Letters and Science)**
University of Wisconsin - Madison, WI
- 2002-2006 **Class Valedictorian**
Saint Mary Central High School - Neenah, WI

CERTIFICATION

Medical License, State of Wisconsin

HONORS & AWARDS

- Musculoskeletal Infection Society, *Jon T. Mader Award for Best Clinical Research Project* - 2021
- Rush Orthopaedic Surgery Residency, *Chief Resident Teaching Award* - 2020
- American Orthopaedic Association (AOA), *Resident Leadership Forum, Nominee* - 2019
- American Academy of Orthopedic Surgery, International Committee, Resident Member - 2019
- American Academy of Orthopedic Surgery Residency Assembly Delegate - 2017, 2018
- Graduation with Honors in Research, *UW School of Medicine and Public Health* - 2015
- Medical Student Achievement in Orthopedics Award, *UW Dept of Orthopedics and Rehabilitation* - 2015
- Alpha Omega Alpha Honor Medical Society - 2014
- Class of 2007 Excellence in Orthopedic Surgery Research Award - 2013
- AO Spine North America Resident Paper of the Year Award - 2013
- Graduation with Academic Distinction, *University of Wisconsin* - 2010
- United States Tennis Association (USTA) National Campus Championships, National Runner-Up - 2010
- Francis C. Krauskopf Memorial Award for Top General Chemistry Student, *University of Wisconsin* - 2007
- University of Wisconsin Medical Scholars Program - 2006

Saint Mary Central High School Class Valedictorian - 2006

Wisconsin High School State Tennis Singles Champion - 2006

PROFESSIONAL EXPERIENCE

- 2010-2011 **Health Bridges International** - Arequipa, Peru
Research Director
- 2007-2008 **UW Stem Cell and Regenerative Medicine Center - The Cezar Laboratory** - Madison, WI
Research Scholar
- 2007 **UW Medical Scholars Summer Research Program** - Neenah, WI
Research Scholar

PUBLICATIONS

Kelly MP, Gililand JE, Blackburn BE, Anderson LA, Pelt CE, Peters CL, Certain LK. Extended Oral Antibiotics Increase Bacterial Resistance in Patients who Fail Two-Stage Exchange for Periprosthetic Joint Infection. *Awaiting submission*.

Kelly MP, Calkins TE, Culvern C, Kogan M, Della Valle CJ. Inpatient versus Outpatient Hip and Knee Arthroplasty: Which has higher patient satisfaction? *Journal of Arthroplasty*. 2018 Nov;33(11):3402-3406. PMID: 30143333.

Kelly MP, Illgen RL, Chen AF, Nam D. An Analysis of Trends in the Use of High-Viscosity Cement in Patients Undergoing Primary Total Knee Arthroplasty. *Journal of Arthroplasty*. 2018 Nov;33(11):3460-3464. PMID: 30057268.

Kelly MP, Darrith B, Hannon CP, Nam D, Courtney PM, Della Valle CJ. Synovial Fluid Alpha-Defensin Is an Adjunctive Tool in the Equivocal Diagnosis of Periprosthetic Joint Infection. *Journal of Arthroplasty*. 2018 Nov;33(11):3537-3540. PMID: 30017218.

Fillingham YA, Della Valle CJ, Bohl DD, Kelly MP, Hall DJ, Pourzal R, Jacobs JJ. Serum Metal Levels for Diagnosis of Adverse Local Tissue Reactions Secondary to Corrosion in Metal-on-Polyethylene Total Hip Arthroplasty. *Journal of Arthroplasty*. 2017 Sep;32(9s):S272-S277. PMID: 28511949

Sershon RA, Kelly MP, Kogan M. Rush Orthopaedic Surgery Outreach to the Dominican Republic. *Rush Orthopedics Journal*. 2017.

Cotter EJ, Waterman BR, Kelly MP, Wang KC, Frank RM, Cole BJ. Multiple Osteochondral Allograft Transplantation with Concomitant Tibial Tubercle Osteotomy for Multifocal Chondral Disease of the Knee. *Arthroscopy Techniques*. 2017 Aug 21;6(4):e1393-e1398. PMID: 29354446

Kelly MP, Colman MW. Computer Navigation-Assisted Musculoskeletal Tumor Surgery: Update and Presentation of 4 Clinical Cases. *Rush Orthopedics Journal*. 2016.

Savage JW, Kelly MP, Ellison SA, Anderson PA. A population-based review of bone morphogenetic protein: associated complication and reoperation rates after lumbar spinal fusion. *Neurosurg Focus*. 2015 Oct;39(4):E13. PMID: 26424337

Kelly MP, Perkinson SG, Ablove RH, Tueting JL. Distal biceps tendon ruptures: an epidemiological analysis using a large population database. *Am J Sports Med*. 2015 Aug;43(8):2012-7. PMID: 26063401

Rocque BG, Kelly MP, Miller JH, Li Y, Anderson PA. Bone morphogenetic protein-associated complications in pediatric spinal fusion in the early postoperative period: an analysis of 4658 patients and review of the literature. *J Neurosurg Pediatr*. 2014 Dec;14(6):635-43. PMID: 25303159

Kelly MP, Savage JW, Bentzen SM, Hsu WK, Ellison SA, Anderson PA. Cancer risk from bone morphogenetic protein exposure in spinal arthrodesis. *J Bone Joint Surg Am*. 2014 Sep 3;96(17):1417-22. PMID: 25187579. Award: AO Spine North America Resident Paper of the Year Award

Kelly MP, Franciose RJ, Lloyd GL. Successful salvage reimplantation of penile prosthesis after reservoir erosion into continent urinary reservoir. *Urology*. 2012 Nov;80(5):e63-64. PMID: 22981544

TEXTBOOK CHAPTERS

Kelly MP, Heckmann N, Jacobs JJ. "Complications of Total Hip Arthroplasty." Orthopaedic Knowledge Update: Hip and Knee Reconstruction, 6th Edition. In Press.

Kelly MP, Levine BL. "Push-Through Total Femur." Arthroplasty Fiascos: The Perils & Pitfalls of Managing Challenging Cases. In Press.

Kelly MP, Levine BL, Jacobs JJ, Sumner DR. "Implant Fixation." Adult Knee, 2nd Edition. In Press.

Kelly MP, Bush-Joseph C. "Arthroscopic Synovectomy of the Knee." DeLee & Drez's Orthopaedic Sports Medicine: Principles and Practice, 5th Edition.

PRESENTATIONS

Extended Oral Antibiotics Increase Bacterial Resistance in Patients who Fail Two-Stage Exchange for Periprosthetic Joint Infection. Musculoskeletal Infection Society. American Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 2021

Extended Oral Antibiotics Increase Bacterial Resistance in Patients who Fail Two-Stage Exchange for Periprosthetic Joint Infection. Musculoskeletal Infection Society. Fort Lauderdale, FL. August 2021

Inpatient versus Outpatient Hip and Knee Arthroplasty: Which has higher patient satisfaction? Mid-America Orthopaedic Association Annual Meeting. Sandestin, FL. April 2019

Inpatient versus Outpatient Hip and Knee Arthroplasty: Which has higher patient satisfaction? American Academy of Orthopedic Surgery Annual Meeting. Las Vegas, NV. March 2019

Selective Use of Synovial Fluid Alpha-defensin Can Guide Management in The Equivocal Diagnosis of Periprosthetic Joint Infection. Mid-America Orthopaedic Association Annual Meeting. San Antonio, TX. April 2018

Reducing Opioid Use in Orthopaedic Surgery Patients. American Academy of Orthopedic Surgery Annual Meeting. New Orleans, LA. March 2018

Selective Use of Synovial Fluid Alpha-defensin Can Guide Management in The Equivocal Diagnosis of Periprosthetic Joint Infection. American Academy of Orthopedic Surgery Annual Meeting. New Orleans, LA. March 2018

Selective Use of Synovial Fluid Alpha-defensin Can Guide Management in The Equivocal Diagnosis of Periprosthetic Joint Infection. Musculoskeletal Infection Society. Boston, MA. August 2017

Serum metal levels for diagnosis of adverse local tissue reactions secondary to corrosion in metal-on-polyethylene total hip arthroplasty. Mid-America Orthopaedic Association Annual Meeting. Amelia Island, FL. May 2017

Serum metal levels for the diagnosis of adverse local tissue reaction in metal-on-polyethylene total hip arthroplasty. 2017 Annual Meeting of the American Academy of Orthopaedic Surgeons. San Diego, CA. March 2017

Serum metal levels for the diagnosis of adverse local tissue reaction in metal-on-polyethylene total hip arthroplasty. British Hip Society Annual 2017 Meeting. Westminster, London. March 2017

Serum metal levels for the diagnosis of adverse local tissue reaction in metal-on-polyethylene total hip arthroplasty. 26th Annual Meeting of the American Association of Hip and Knee Surgeons. Dallas, TX.	November 2016
Bone morphogenetic protein in pediatric spinal fusion: prevalence and complications. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting. Toronto, Canada.	December 2013
Cancer risk from bone morphogenetic protein exposure in spinal fusion. Lumbar Spine Research Society Annual Meeting. Chicago, IL.	April 2013
Cancer risk from bone morphogenetic protein exposure in spinal fusion. University of Wisconsin School of Medicine and Public Health 11th Annual Medical Student Research Forum. Madison, WI.	October 2012
Metabolic profiling of cancer cells. University of Wisconsin Medical Scholars Research Symposium. Madison, WI.	August 2008
Ethanol increases apoptosis in hES cell-derived neural precursors. University of Wisconsin Undergraduate Research Symposium. Madison, WI.	May 2008
Impact of bariatric surgery on medical co-morbidities of patients of varying economic status in Wisconsin. University of Wisconsin Medical Scholars Research Symposium. Madison, WI.	August 2007

PROFESSIONAL MEMBERSHIP

American Academy of Orthopedic Surgery (AAOS) – International Committee Member (2019-Present)

American Association of Hip and Knee Surgeons (AAHKS)– Arthroplasty Surgeon in Training

Arthroscopy Association of North America (AANA)

AO Trauma North America

American Academy of Orthopedic Surgery (AAOS) – Residency Assembly Delegate (2017 - 2019)

American Medical Association; Chapter Co-President (2012-2013)