

## CURRICULUM VITAE

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### EDUCATION AND TRAINING

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- Stanford University - Bachelors in Science with Honors in Biology 2004
- Washington University in St. Louis School of Medicine – MD, PhD 2004 – 2011
- Residency in Orthopaedic Surgery University of Iowa Hospitals and Clinics 2011-2016
- Fellow in Adult Hip and Knee Reconstruction OrthoCarolina – 2016-2017

### PROFESSIONAL AFFILIATIONS

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- Knee Society Member
- American Academy of Orthopaedic Surgeons Fellow
- Musculoskeletal Infection Society Member
- American Association of Hip and Knee Surgeons Fellow
- Reviewer - Journal of Arthroplasty
- Reviewer – Journal of Bone and Joint Surgery
- Reviewer – Journal of Bone and Joint Infection
- AAHKS Research Committee – 2017- Present
- American Joint Replacement Registry Research Publications Committee - 2020 present

### TEACHING AND LEADERSHIP

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- Teaching Assistant Washington University Medical School Curriculum - Anatomy 2006
  - University of Iowa Department of Orthopaedic Surgery Core Basic Curriculum – Jul 2011-June, 2016
  - Member of Hospital Subcommittee on Infection Control, University of Iowa Hospitals and Clinics 2012-2013
  - American Orthopaedic Association Resident Leadership Forum, 2015
  - Panelist - "Tips for the Orthopaedic Fellowship Match" webinar hosted by the AAO Board of Specialty Societies (BOS) Fellowship Match Oversight Committee c Thursday, August 20<sup>th</sup>, 2015
  - Implementation of rapid recovery protocol for Total Joint Arthroplasty Service ; Veterans Administration Hospital, Iowa City, IA 12/28/15
  - Residency Screening Committee – University of Iowa Department of Orthopaedic Surgery 2016 – 2019
  - Resident Research Committee – University of Iowa Department of Orthopaedic Surgery 2017 – 2019
  - Co-Director of Hip and Knee Research Division OrthoCarolina Research Institute August 2019 – Present
  - Education Committee Chairman – Anterior Hip Foundation – 2019- 2020
  - AAHKS Resident Course 2022 – Table Discussion Facilitator
  - AAHKS Annual Meeting 2022 Moderator Session 9: Periprosthetic Joint Infection Dallas, Texas Gaylord Convention Center November 6, 2022
  - North Carolina Orthopaedic Association – Arthroplasty Breakout Session Moderator October 26<sup>th</sup>, 2024 Omni Charlotte, NC
  - North Carolina Orthopaedic Association – Arthroplasty Research Session Moderator October 27<sup>th</sup>, 2024 Omni Charlotte, NC
  - North Carolina Orthopaedic Association – Arthroplasty Breakout Session Moderator November 15<sup>th</sup>, 2025 Omni Grove Park Inn, Asheville, NC
  - North Carolina Orthopaedic Association – Arthroplasty Research Session Moderator October 15<sup>th</sup>, 2025 Omni Grove Park Inn, Asheville, NC
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## HONORS AND AWARDS

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- Stanford Undergraduate Research Organization Fellowship (HHMI) 2003
- Palo Alto Institute for Research and Education Grant 2002 – 2004
- Honors Distinction - Bachelors in Biological Sciences – Stanford University – 2004
- MD/PhD Candidate - Medical Scientist Training Program Washington University 2005-2011
- American Society for Bone and Mineral Research Young Investigator Travel Grant September 2007
- American Society for Bone and Mineral Research Young Investigator Award September 2009
- AQA Medical Honor Society– Elected August, 2010
- The Dr. John Esben Kirk Award for Scholastic Achievement in Medical School – May 2011
- Selected participant AAOS ORS OREF Clinician Scholar Career Development Program, Rosemont, IL, September 26, 2013
- Mid-America Orthopaedic Association Education Grant for Senior Residents – April 2016
- Best Paper Award – One versus Two Stage Treatment for Prosthetic Joint Infection: Prospective, Randomized Clinical Trial. American Association of Hip and Knee Surgeons. Annual Meeting. The Gaylord, Dallas, Texas November 2<sup>nd</sup> – 5<sup>th</sup>, 2024
- Top Paper Award – Hip – One versus Two Stage Treatment for Prosthetic Joint Infection: A Prospective, Randomized Clinical Trial. American Academy of Orthopaedic Surgeons Annual Meeting 2024, Moscone Center, San Francisco California, February 12<sup>th</sup>-16<sup>th</sup>, 2024
- Best Paper 2024 – One versus Two Stage Treatment for Prosthetic Joint Infection: Prospective, Randomized Clinical Trial. American Academy of Orthopaedic Surgeons Annual Meeting 2024, Moscone Center, San Francisco California, February 12<sup>th</sup>-16<sup>th</sup> 2024
- 2025 OREF Resident Research Award – Calvin Chandler – Debridement, Antibiotic and Implant Retention for Late Acute Hematogenous Periprosthetic Joint Infection Southern Orthopaedic Association Annual Meeting, Marco Island, Florida
- 2025 Harley and Betty Baxter Resident Award – Evan Dugdale – Timing of Failure of Two-Stage Exchange for Periprosthetic Joint Infection, Southern Orthopaedic Association Annual Meeting, Marco Island, Florida

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## CONFERENCE PRESENTATIONS

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1. **J.E. Otero**, M. Alhawagri, S. Dai, J. Vacher, M. Pasparakis, Y. Abu-Amer. Mice with Myeloid Lineage-Specific Deletion of IKK $\beta$  Demonstrate Both in vivo and in viti Defects in Osteoclastogenesis. Abstract Presented as Podium Presentation at ASBMR 2007 Annual Meeting – American Society for Bone and Mineral Research
  2. **J.E. Otero**, Y. Zhang, M. Kuzeiz, S. Dai, Y. Abu-Amer. The Ubiquitin-Like Domain of IKK $\beta$  is Critical for Osteoclastogenesis. Abstract presented as Poster at ASBMR 2008 Annual Meeting
  3. **J.E. Otero**, M. Alhawagri, K. Lai, I. Darwech, Y. Abu-Amer. Constitutive Activation of IKK $\beta$  is Sufficient for RANK-Independent Osteoclast Differentiation and Osteolysis. Abstract Presented as Podium Presentation at ASBMR 2009 Annual Meeting.
  4. **Otero JE**, Gottesman GS, McAlister WH, Mumm S, Madson KL, Whyte MP. Severe Skeletal Toxicity from Protracted Etidronate Therapy for Generalized Arterial Calcification of Infancy (GACI). Abstracted presented as poster at the 2011 Annual Conference of the American Society for Bone and Mineral Research in San Diego, California, USA on September 16-20, 2011
  5. **Otero JE**, Gottesman GS, McAlister WH, Mumm S, Madson KL, Whyte MP. Generalized arterial calcification of infancy: severe skeletal toxicity from prolonged etidronate therapy. Abstract presented as poster at the 50th Annual Meeting of the European Society for Paediatric Endocrinology (ESPE), September 25-28, 2011, Glasgow, Scotland, United Kingdom.
  6. Yang JS, **Otero JE**, McAndrew CM, Ricci WM, Gardner MJ. Tibia Nonunion Prediction Is It Possible? Abstract presented on podium at the 2011 27<sup>th</sup> Annual Meeting for the Orthopaedic Trauma Association, October 14<sup>th</sup> 11:55AM 2011. San Antonio, Texas USA.
  7. Christopher Graves, MD; **Jesse Otero, MD PhD**; Melissa Willenborg, MD; Yubo Gao PhD; Steve Liu, MD; Richard Johnston, MD; John Callaghan, MD. Are Patient Reported Allergies a Risk Factor for Poor Outcomes in Total Hip and Knee Arthroplasty? Accepted as Podium Presentation at AAHKS Annual Meeting 2014
  8. **Jesse E. Otero MD PhD**, Jeff W. Stevens PhD, Allison E. Malandra DVM, Douglas C. Fredericks MS, Jose Morcuende MD PhD. OSTEOCLASTS ARE REQUIRED FOR CHONDROSARCOMA GROWTH IN BONE. Accepted as a POSTER PRESENTATION during the CTOS 18th Annual Meeting, October 30- November 2, 2013 at the Sheraton New York Times Square, New York, NY.
  9. **Otero JE.**, Graves CM, TeKippe A, Buckwalter JA, Miller BJ. Factors Affecting Outcomes in Patients Treated Surgically for Upper Extremity Tumors and Tumor-like Lesions. Abstract accepted for podium presentation at the 32<sup>nd</sup> Annual Meeting of the Mid-America Orthopaedic Association, San Antonio, Texas April 23-27, 2014.
  10. C. Graves, **J Otero**, M Willenborg, Y Gao, S Liu, D Goetz, R Johnston, J Callaghan. Are Patient Reported Allergies A Risk Factor For Poor Outcomes in Total Hip and Knee Arthroplasty? Abstract accepted for podium presentation at the 32<sup>nd</sup> Annual Meeting of the Mid-America Orthopaedic Association, San Antonio, Texas April 23-27, 2014.
  11. C. Graves, **J Otero**, Y Gao, M Bollier. Patterns of Injury among Collegiate Wrestlers in an Elite Division I NCAA Wrestling Program: Abstract accepted for poster presentation at the 32<sup>nd</sup> Annual Meeting of the Mid-America Orthopaedic Association, San Antonio, Texas April 23-27, 2014.
  12. **Otero JE**, Bing X, Sutterwala FS, Cassel SL, Bassuk AG, Abu-Amer Y, Ferguson P. IL-1 Receptor Type 1 Deficiency in Mice with Chronic Multifocal Osteomyelitis Reveals Targets for Osteolysis. Poster presentation at the 2014 AAOS Annual Meeting, March 11-15 at the Morial Convention Center in New Orleans, Louisiana.
  13. **Jesse E. Otero MD PhD**, Jeff W. Stevens PhD, Allison E. Malandra DVM, Douglas C. Fredericks MS, Jose Morcuende MD PhD. A Crucial Role For Osteoclasts In The Microenvironment Of Chondrosarcoma. Poster presentation at the 2014 Orthopaedic Research Society 60<sup>th</sup> Annual Meeting March 15 - 18, 2014 at the Hyatt Regency, New Orleans, Louisiana
  14. **Otero JE**, Bing X, Sutterwala FS, Cassel SL, Bassuk AG, Abu-Amer Y, Ferguson P. The IL-1 Type 1 Receptor is Required for Autoinflammatory Osteolysis but not Osteoclastogenesis in Mice with Chronic Multifocal Osteomyelitis (CMO). Poster presentation at the 2014 Orthopaedic Research Society 60<sup>th</sup> Annual Meeting March 15 - 18, 2014 at the Hyatt Regency, New Orleans, Louisiana.
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## SYMPOSIA, CHAPTERS, AND INVITED LECTURES

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1. Management of Periprosthetic Infection – Technical Tips for Success - 2019 AAOS Annual Meeting, March 12-16 Las Vegas, Nevada
2. Tertiary Care in Total Joint Arthroplasty – Simplifying Complicated Problems – 2019 Iowa Orthopaedic Society Annual Meeting, April 26 Des Moines, Iowa
3. Compounded Complications in Total Joint Arthroplasty – Keynote Speaker at 2019 South Dakota State Orthopaedic Society Annual Meeting, August 23-24; Minnehaha Country Club, Sioux Falls, South Dakota
4. International Congress for Joint Replacement - 8<sup>th</sup> Annual Direct Anterior Hip Course, Houston, Texas, October 17-19, 2019 – Anterior Approach Total Hip Arthroplasty Live Demonstration
5. SICOT Orthopaedic World Congress Annual Meeting – Muscat, Oman, Enhanced Anesthesia for Early Discharge, December 6, 2019
6. International Congress on Joint Reconstruction – What Causes a Stiff Knee after TKA – and How Can it be Prevented. Ask the Expert. May 28, 2020.
7. International Congress on Joint Reconstruction Insights: Mastering the Anterior Approach October 20, 2020 Webinar Series Faculty
8. What is the Role for Chronic Antibiotic Suppression in the Treatment of Periprosthetic Joint Infection? Knee Society Specialty Day. American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas Nevada. March 7, 2023
9. Management of Periprosthetic Infection – Technical Tips for Success - 2023 AAOS Annual Meeting, March 12-16 Las Vegas, Nevada
10. Augmented Reality and Virtual Reality in Total Joint Replacement – Oscar Miller Day. September 15, 2023. Sheraton Hotel, Charlotte, NC
11. Cones and Sleeves in Revision Total Knee Arthroplasty: What should I be using? – Oscar Miller Day. September 15, 2023. Sheraton Hotel, Charlotte, NC
12. AAHKS Industry Sponsored Symposium on Patient Specific Pelvic Reconstruction – Onkos Surgical, Gaylord Texan, Dallas Texas November 3<sup>rd</sup>, 2024.
13. Atrium Musculoskeletal Institute Grand Rounds, Charlotte, NC January 4<sup>th</sup>, 2024 – Periprosthetic Joint Infection: Finding light in the dark corner of arthroplasty.
14. Brown University Department of Orthopaedic Surgery Grand Rounds, Providence, RI April 17<sup>th</sup>, 2024 – Periprosthetic Joint Infection: Finding light in the dark corner of arthroplasty.
15. Houston Methodist Hospital Department of Orthopaedic Surgery Grand Rounds, Houston Texas, September 4<sup>th</sup>, 2024 - Periprosthetic Joint Infection: Finding light in the dark corner of arthroplasty.
16. North Carolina Orthopaedic Association – The Dreaded Periprosthetic Joint Infection – Diagnosis and Treatment, October 26<sup>th</sup>, 2024 Omni Charlotte, NC
17. Invited speaker in Master Class sponsored by Onkos Surgical. *Current Concepts in the Management of Implant and Bacterial Infection in Complex Orthopaedic Procedures*. October 30<sup>th</sup>, 2024.
18. Southern Illinois University Department of Orthopaedic Surgery Grand Rounds, September 15<sup>th</sup>, 2025 – Periprosthetic Joint Infection: Finding Light in the Dark Corner of Arthroplasty
19. AAOS ORS OREF Clinician Scholar Career Development Program Faculty Speaker – *How to Run a Research Program in Private Practice* – Embassy Suites Chicago, Illinois October 4<sup>th</sup>, 2025
20. North Carolina Orthopaedic Association – Acetabular Defects, Discontinuity, and Disasters in Revision THA: Selecting the Correct Treatment, November 15<sup>th</sup>, 2025 Omni Grove Park Inn, Asheville, NC

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## PEER-REVIEWED PUBLICATIONS

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1. Carlson V, Herndon C, Metcalf R, Rowe T, Hietpas K, Fehring TK, **Otero JE**. The True Fate of Two-Stage Revision Arthroplasty for Hip and Knee Prosthetic Joint Infection. Accepted Hip International 2026
2. Chandler CC, McHugh MA, Fehring TK, **Otero JE**. Higher Opioid Use in Two-Stage versus One-Stage Exchange for Periprosthetic Joint Infection: A Randomized Controlled Trial. Accepted Journal of Opioid Management 2026
3. Elise R. Naufal, Sina Babazadeh, PhD, Craig Aboltins, DMedSc, Peter F. Choong, MD, Yale A. Fillingham, MD, Carlos A. Higuera, MD, **Jesse E. Otero, MD, PhD**, Nicolas S. Piuze, MD, Cade Shadbolt, PhD, Alex Soriano, MD, PhD, Sharmala Thuraisingam, PhD, Simon W. Young, MD, Michelle M. Dowsey, PhD, Marjan Wouthuyzen-Bakker, MD, PhD, On behalf Orthopaedic Device Infection Network (ODIN). Predicting Outcomes of Periprosthetic Joint Infection Treated With Debridement, Antibiotics, and Implant Retention: An External Validation of the KLIC (Kidney, Liver, Index Surgery, Cemented Prosthesis, C-Reactive Protein) Score. Accepted The Journal of Arthroplasty 2025.
4. Elise R. Naufal, Sina Babazadeh, PhD, Craig Aboltins, DMedSc, Peter F. Choong, MD, Yale A. Fillingham, MD, Carlos A. Higuera, MD, **Jesse E. Otero, MD, PhD**, Nicolas S. Piuze, MD, Cade Shadbolt, PhD, Alex Soriano, MD, PhD, Sharmala Thuraisingam, PhD, Simon W. Young, MD, Michelle M. Dowsey, PhD, Marjan Wouthuyzen-Bakker, MD, PhD, On behalf Orthopaedic Device Infection Network (ODIN) Predicting Outcomes of Early and Late Acute Periprosthetic Joint Infections Treated With Debridement, Irrigation, and Implant Retention: An External Validation of the CRIME80 (COPD, C-Reactive Protein, Rheumatoid Arthritis, Index Surgery, Male, Exchange of Mobile Components, Age Greater than 80 years) Score. Accepted The Journal of Arthroplasty 2025
5. Goh GS, Naufal ER, Dowsey MM, Babazadeh S, **Otero JE**, Higuera-Rueda CA, Wouthuyzen-Bakker M. Clinical characteristics of Culture-Negative Periprosthetic Joint Infections: Findings from an International Periprosthetic Joint Infection Registry. J Bone Jt Infect. 2025, 10. 553-559.
6. Naufal E, Babazadeh S, Aboltins C, Choong PF, Fillingham YA, Higuera C, **Otero J**, Piuze NS, Shadbolt C, Soriano A, Thuraisingam S, Young SW, Dowsey MM, Wouthuyzen-Bakker M; Orthopaedic Device Infection Network ODIN. Predicting Outcomes of Early and Late Acute Periprosthetic Joint Infections Treated with Debridement, Irrigation, and Implant Retention: An External Validation of the CRIME80 (COPD, C-reactive protein, Rheumatoid arthritis, Index surgery, Male, Exchange of mobile components, age greater than 80 years) Score. J Arthroplasty. 2025 Nov 17:S0883-5403(25)01446-9.. Epub ahead of print. PMID: 41260314.
7. Chandler CC, Graham SD, Hietpas KT, Fehring TK, **Otero JE**. Trends in Antibiotic-Resistant Bacteria in Surgically Treated Periprosthetic Joint Infection: A Decade of Experience at a Regional Referral Center. Accepted Journal of Arthroplasty 2025
8. Chandler CC, Frandsen JJ, McHugh MA, Fehring TK, **Otero JE**, Outcome of Debridement, Antibiotics, and Implant Retention for Treatment of Late Acute Hematogenous Periprosthetic Joint Infections. Accepted Journal of Arthroplasty 2025.

9. Dugdale EM, Hietpas KT, Fehring TK, **Otero JE**. Timing of Failure of Two-Stage Exchange Arthroplasty for Prosthetic Joint Infection of the Hip and Knee. Accepted Journal of Arthroplasty 2025.
10. Chandler, C.C., Clair, A.J., Metcalf, R.W., Hietpas, K.T., Fehring, T.K., **Otero, J.E.**, Reinfection Patterns Following Two-Stage Exchange for Periprosthetic Joint Infection: A Retrospective Analysis. Article in Press. The Journal of Arthroplasty February 28, 2025.
11. Anna M. Ifarraguerra, BS; Theodore Quan, MD; Alisa Malyavko, MS, Alex Gu, MD, Michael S. Collins, BS, Patrick Siparsky, MD, **Jesse E. Otero, MD**, Bryan M. Saltzman, MD. Is Metabolic Syndrome an Independent Risk Factor for Complications Following Patellofemoral Arthroplasty? A NSQIP Review of 1,618 Patients. *J Surg Orthop Adv*. Accepted April 1, 2025.
12. Heckmann N, De M, **Otero JE**, Springer BD, Lieberman J. Dual Mobility Articulations in Primary Total Hip Arthroplasty: Midterm Outcomes from the American Joint Replacement Registry. Accepted Journal of Arthroplasty
13. Naufal ER, Wouthuyzen-Bakker M, Soriano A, Young SW, Higuera-Rueda CA, **Otero JE**, Fillingham YA, Fehring TK, Springer BD, Shadbolt C, Tay ML, Aboltins C, Stevens J, Darby J, Poy Lorenzo YS, Choong PFM, Dowsey MM, Babazadeh S. The Orthopaedic Device Infection Network: Building an Evidence Base for the Treatment of Periprosthetic Joint Infection Through International Collaboration. *J Arthroplasty*. 2024 Jun;39(6):1391-1393. PMID: 38490566.
14. **Otero JE**, Dombrowski ME, Brown TS, Courtney PM, Kamath AF, Nandi S, Fehring KA. What's New in Musculoskeletal Infection. *J Bone Joint Surg Am*. 2024 Jul 17;106(14):1249-1255. PMID: 38781349.
15. Dombrowsky A, Jolissaint J, **Otero JE**. Pasteurella multocida From a Cat Scratch as a Cause of Recurrent Prosthetic Joint Infection After Previously Successful Single-Stage Exchange Arthroplasty. *Arthroplast Today*. 2024 Apr 23;27:101351.. PMID: 38690092
16. Behery O, Shing E, Yu Z, Springer BD, Fehring TK, Beaver WB, **Otero JE**. Radiographic Cone Zone Classification of Metaphyseal Cone Fixation in Revision Total Knee Arthroplasty. *Arthroplast Today*. 2024 Jan 22;25:101271. PMID: 38304246
17. Metcalf R, Dombrowski ME, Odum SM, **Otero JE**. The influence of Patient Sex on Outcomes Following One-Stage and Two-Stage Revision for Periprosthetic Joint Infection in Total Joint Arthroplasty. *Antibiotics (Basel)*. 2023 Aug 31;12(9):1392. doi: 10.3390/antibiotics12091392 PMID: 37760688
18. **Otero JE**, Heckmann ND, Jaffri H, Mullen KJ, Odum SM, Lieberman JR, Springer BD. Dual Mobility Articulation in Revision Total Hip Arthroplasty: An American Joint Replacement Registry Analysis of Patients Aged 65 Years and Older. *J Arthroplasty*. 2023 Jul;38(7 Suppl 2):S376-S380. doi: 10.1016/j.arth.2023.05.023 Epub 2023 May 24. PMID: 37230227
19. Herndon CL, Rowe T, Metcalf R, Odum S, Fehring TK, Springer BD, **Otero JE**. Treatment Outcomes of Fungal Periprosthetic Joint Infection. *J Arthroplasty*. 2023 Nov;38(11):2436-2440.e1. doi: 10.1016/j.arth.2023.05.009 Epub 2023 May 12. PMID: 37179024
20. Fehring TK, **Otero JE**, Curtin BM, Fehring KA, Metcalf R, Rowe TM, Springer BD. Does Treatment at a Specialized Prosthetic Joint Infection Center Improve the Rate of Reimplantation. *J Arthroplasty*. 2023 Jun;38(6S):S314-S317. doi: 10.1016/j.arth.2023.03.082 Epub 2023 Mar 31. PMID: 37004968

21. Green CC, Valenzuela MM, Odum SM, Rowe TM, Springer BD, Fehring TK, **Otero JE**. Hypoalbuminemia Predicts Failure of Two-Stage Exchange for Chronic Periprosthetic Joint Infection of the Hip and Knee. *J Arthroplasty*. 2023 Jul;38(7):1363-1368. doi: 10.1016/j.arth.2023.01.012 Epub 2023 Jan 21. PMID: 36693515
22. Adrados M, Curtin BM, Springer BD, **Otero JE**, Fehring TK, Fehring KA. High Rate of Intramedullary Culture Positivity in Total Knee Arthroplasty Resection for Prosthetic Joint Infection. *J Arthroplasty*. 2023 Jul;38(7):1369-1372. doi: 10.1016/j.arth.2023.01.017 Epub 2023 Jan 23. PMID: 36702438
23. Adrados M, Valenzuela MM, Springer BD, Odum SM, Fehring TK, **Otero JE**. Has the time come for regional periprosthetic joint infection centers in the United States? A first-year experience. *J Bone Jt Infect*. 2022 Mar 1;7(1):51-53. doi: 10.5194/jbji-7-51-2022 eCollection 2022. PMID: 35280323
24. **Otero JE**, Brown TS, Courtney PM, Kamath AF, Nandi S, Fehring KA. What's New in Musculoskeletal Infection. *J Bone Joint Surg Am*. 2022 Jul 20;104(14):1228-1235. doi: 10.2106/JBJS.22.00183 Epub 2022 May 25 .PMID: 35700085
25. Valenzuela ML, Odum SM, Griffin WL, Springer BD, Fehring TK, **Otero JE**. High-Dose Antibiotic Cement Spacers Independently Increase the Risk of Acute Kidney Injury in Revision for Periprosthetic Joint Infection: A Prospective Randomized Controlled Clinical Trial. *J Arthroplasty*. 2022 Jun;37(6S):S321-S326. doi: 10.1016/j.arth.2022.01.060 Epub 2022 Feb 21. PMID: 35210153 Clinical Trial.
26. Behery O, Shing E, Yu Z, Springer BD, Fehring TK, **Otero JE**. Survivorship and Radiographic Evaluation of Metaphyseal Cones with Short Cemented Stems in Revision Total Knee Arthroplasty. *J Arthroplasty*. 2022 Feb;37(2):330-335. doi: 10.1016/j.arth.2021.10.027 Epub 2021 Nov 3. PMID: 34742873
27. Johnson NR, **Otero JE**. Prevention of Periprosthetic Joint Infection of the Hip and Knee: Modern Techniques and Strategies. *J Surg Orthop Adv*. 2021 Winter;30(4):202-206. PMID: 35108182
28. Cox ZC, Green CC, **Otero JE**, Mason JB, Martin JR. Varus Collapse in Total Knee Arthroplasty: Does Fixation or Bone Fail First? *J Arthroplasty*. 2022 Jan;37(1):162-167. doi: 10.1016/j.arth.2021.09.012 Epub 2021 Sep 28. PMID: 34592354
29. Acuña AJ, Do MT, Samuel LT, Grits D, **Otero JE**, Kamath AF. Periprosthetic Joint Infection Rates Across Primary Total Hip Arthroplasty Surgical Approaches: A Systematic Review and Meta-Analysis of 653,633 Procedures. *Arch Orthop Trauma Surg*. 2022 Oct;142(10):2965-2977. doi: 10.1007/s00402-021-04186-3 Epub 2021 Sep 30. PMID: 34595547 Review.
30. Li KK, Cuadra M, Scarola G, Odum S, **Otero J**, Griffin W, Springer BD. Complications in the Treatment of Periprosthetic Joint Infection of the Hip: When Do They Occur? *J Bone Jt Infect*. 2021 Jul 29;6(7):295-303. doi: 10.5194/jbji-6-295-2021 eCollection 2021. PMID: 34377629
31. Kildow BJ, Patel SP, **Otero JE**, Fehring KA, Curtin BM, Springer BD, Fehring TK. Results of debridement, antibiotics, and implant retention for periprosthetic knee joint infection supplemented with the use of intraosseous antibiotics. *Bone Joint J*. 2021 Jun;103-B(6 Supple A):185-190. doi: 10.1302/0301-620X.103B6.BJJ-2020-2278.R1 PMID: 34053280
32. Johnson NR, Odum SM, Lastra J, Fehring KA, Springer BD, **Otero JE**. Pain and Anxiety Due to the COVID-19 Pandemic: A Survey of Patients with Delayed Elective Hip and Knee Arthroplasty. *Arthroplast Today*. 2021 Aug;10:27-34. doi: 10.1016/j.artd.2021.05.013 Epub 2021 May 28. PMID: 34095397

33. Statz JM, Odum SM, Johnson NR, **Otero JE**. Failure to Medically Optimize Prior to THA. Which Modifiable Risk Factor is the Most Dangerous? *Arthroplast Today*. 2021 Jul 5;10:18-23. doi: 10.1016/j.artd.2021.05.021 eCollection 2021 Aug. PMID: 34277906
34. Li KK, Cuadra M, Scarola G, Odum S, **Otero JE**, Griffin WL, Springer BD. Complications in the Treatment of Periprosthetic Joint Infection of the Hip: When Do They Occur? *J Bone Jt Infect*. 2021 Jul 29;6(7):295-303. doi: 10.5194/jbji-6-295-2021 eCollection 2021. PMID: 34377629
35. Johnson NR, Statz JM, Odum SM, **Otero JE**. Failure to optimize prior to total knee arthroplasty: Which modifiable risk factor is the most dangerous? *J Arthroplasty*. 2021 Jul;36(7):2452-2457. doi: 10.1016/j.arth.2021.02.061 Epub 2021 Feb 27. PMID: 33752925
36. Martin JR, **Otero JE**, Mason JB, Fehring TK. Where is the "Weak Link" of Fixation in Contemporary Cemented Total Knee Replacements? *J Arthroplasty*. 2021 Jul;36(7):2497-2501. doi: 10.1016/j.arth.2021.02.029 Epub 2021 Feb 12. PMID: 33676813
37. Wynn MS, Carender CN, Solsrud E, Clark CR, **Otero JE**, Brown TS. Radiographic Evaluation of Proximal Femoral Nutrient Arteries After Total Hip Arthroplasty with a Short Femoral Stem. *J Arthroplasty*. 2021 Jun;36(6):2076-2079. doi: 10.1016/j.arth.2021.02.003 Epub 2021 Feb 10. PMID: 33674162
38. Carender CN, DeMik DE, **Otero JE**, Noiseux NO, Brown TS, Bedard NA. What is the Clinical Utility of Synovial Alpha-Defensin Testing of Antibiotic Spacers Prior to Reimplantation? *J Arthroplasty*. 2021 Jun;36(6):2150-2157. doi: 10.1016/j.arth.2021.02.001 Epub 2021 Feb 5. PMID: 33648841
39. Muffly SA, An Q, Bedard NA, Brown TS, **Otero JE**. Early Emergency Department Visits Following Primary Hip and Knee Arthroplasty. *J Arthroplasty*. 2021 Jun;36(6):1915-1920. doi: 10.1016/j.arth.2021.01.058 Epub 2021 Jan 28. PMID: 33597112
40. Trinh JQ, Carender CN, An Q, Noiseux NO, **Otero JE**, Brown TS. Resilience and Depression Influence Clinical Outcomes Following Primary Total Joint Arthroplasty. *J Arthroplasty*. 2021 May;36(5):1520-1526. doi: 10.1016/j.arth.2020.11.032 Epub 2020 Nov 25. PMID: 33334640
41. Phruetthiphat O, **Otero JE**, Zampogna B, Vasta S, Gao Y, Callaghan JJ. Predictors of readmission following primary total hip and total knee arthroplasty. *J Orthop Surg (Hong Kong)*. 2020 Sep-Dec;28(3):2309499020959160. doi: 10.1177/2309499020959160 PMID: 33021145
42. Carender CC, Wynn MS, **Otero JE**, Miller BJ, Brown TS. Nonoperative treatment of a pathologic proximal tibia fracture in the setting of previous total knee arthroplasty. A case report. *JBJS Case Connect*. 2020 Apr-Jun;10(2):e0517. doi: 10.2106/JBJS.CC.19.00517 PMID: 32649123
43. Arra M, Swarnkar G, Ke K, **Otero JE**, Ying Jun Duan X, Maruyama T, Rai MF, O'Keefe RJ, Mbalaviele G, Shen J, Abu-Amer Y. LDHA-mediated ROS generation in chondrocytes is a potential therapeutic target for osteoarthritis. *Nat Commun*. 2020 Jul 9;11(1):3427. doi: 10.1038/s41467-020-17242-0 PMID: 32647171
44. Parvizi J, **Otero JE**, et al. Resuming elective orthopaedic surgery during the COVID-19 pandemic: guidelines developed by the International Consensus Group (ICM). *J Bone*

Joint Surg Am. 2020 Jul 15;102(14):1205-1212. doi: 10.2106/JBJS.20.00844  
PMID: 32675662

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