



## Keith A. Fehring, MD

### Education

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- University of North Carolina, Chapel Hill - *Bachelor of Arts*
- George Washington University School of Medicine - *Doctor of Medicine*
- Medical College of Virginia/VCU Health System - *Orthopedic Surgery Residency*
- Mayo Clinic - *Adult Reconstruction Lower Extremity Fellowship*

**P: 704.323.2564**

#### Patient Rating:

4.8 out of 5 Stars

### LOCATIONS

- Hip & Knee Center
- Periprosthetic Joint Infection Center
- South Park

### CLINICAL SPECIALTIES

- Hip
- Knee

### Practice

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- [Patient Education](#) partner AAHKS

- Specializes in Surgery for arthritis of the hip and knee
- Specializes in Primary total knee and total hip replacement
- Specializes in Anterior total hip replacement
- Specializes in Partial knee replacement
- Specializes in Revision total knee and total hip replacement
- Specializes in Arthroscopic knee surgery
- Specializes in Robotic total knee arthroplasty

- Member of the American Academy of Orthopaedic Surgeons
- Member of the American Academy of Hip & Knee Surgeons
- Board Certified by the American Board of Orthopaedic Surgery

### Awards

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- [Named one of 65 Total Knee Replacement Surgeons to Know | 2020](#)
- Mark B. Coventry Adult Reconstructive Fellowship Award, Mayo Clinic, 2014-2015
- Chief Resident Award for Excellence, MCV/VCU Department of Orthopaedic Surgery, 2013-2014

### Research

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## publications

1. Brown TS, **Fehring KA**, Ollivier M, Mabry TM, Hanssen AD, Abdel MP. Repeat two-stage exchange arthroplasty for prosthetic hip re-infection. *Bone Joint J.* 2018 Sep;100-B(9):1157-1161.
2. Otero JE, **Fehring KA**, Martin JR, Odum, SM, Fehring TK. Variability of Pelvic Orientation in the Lateral Decubitus Position: Are External Alignment Guides Trustworthy? *J. Arthroplasty.* 2018 Nov;33(11): 3496-3501. doi: 10.1016/j.arth.2018.07.021.
3. Fehring TK, Odum SM, Curtin BM, Mason JB, **Fehring KA**, Springer BD. Should Depression Be Treated Before Lower Extremity Arthroplasty? *J. Arthroplasty.* 2018 Oct; 33(10):3143-3146. doi: 10.1016/j.arth.2018.05.037. Epub 2018 Jun 4.
4. Cohen JS, Gu A, Lopez NS, Park MS, **Fehring KA**, Sculco PK. Efficacy of Revision Surgery for the Treatment of Stiffness After Total Knee Arthroplasty: A Systematic Review. *J. Arthroplasty.* 2018 Sep;33(9):3049-3055. doi: 10.1016/j.arth.2018.04.036. Epub 2018 Apr 30. Review.
5. Brown TS, **Fehring KA**, Ollivier M, Mabry TM, Hanssen AD, Abdel MP. Repeat two-stage exchange arthroplasty for prosthetic hip re-infection. *Bone Joint J.* 2018 Sep;100-B(9)1157-1161. doi: 10.1302/0301-620X.100B9.BJJ-2018-0470.R1.
6. Martin JR, **Fehring KA**, Watts CD, Springer BD, Fehring TK. Radiographic Findings in Patients With Catastrophic Varus Collapse After Total Knee Arthroplasty. *J. Arthroplasty.* 2017 Aug 31. Pii: S0883-5403(17)30737-4. doi: 10.1016/j.arth.2017.08.014. [Epub ahead of print]
7. Sculco PK, McLawhorn AS, **Fehring KA**, De Martino I. The Future of Social Media in Orthopedic Surgery. *Curr Rev Musculoskelet Med.* 2017 Jun;10(2):278- 279.
8. **Fehring KA**, De Martino I, McLawhorn AS, Sculco PK. Social Media: Physicians-To-Physicians Education and Communication. *Curr Rev Musculoskelet Med.* 2017 Jun;10(2):275-277. doi: 10.1007/s12178-017-9411-x.
9. Martin JR, **Fehring KA**, Watts CD, Levy DL, Springer BD, Kim RH. [Coronal alignment predicts the use of semi-constrained implants in contemporary total knee arthroplasty.](#) *Knee.* 2017 Aug;24(4):863-868
10. Sculco PK, McLawhorn AS, **Fehring KA**, De Martino I. The Future of Social Media in Orthopedic Surgery. *Curr Rev Musculoskelet Med.* 2017 Jun;10(2):278-279.

11. **Fehring KA**, De Martino I, McLawhorn AS, Sculco PK. Social Media: Physicians-To-Physicians Education and Communication. *Curr Rev Musculoskelet Med*. 2017 Jun;10(2):275-277. doi: 10.1007/s12178-017-9411-x.
12. Martin JR, **Fehring KA**, Watts CD, Levy DL, Springer BD, Kim RH. Coronal alignment predicts the use of semi-constrained implants in contemporary total knee arthroplasty. *Knee*. 2017 May 30. pii: S0968-0160(17)30081-9. doi: 10.1016/j.knee.2017.03.013. [Epub ahead of print]
13. Chalmers BP, Sculco PK, **Fehring KA**, Trousdale RT, Taunton MJ. A Novel Percentage-Based System for Determining Aseptic Loosening of Total Knee Arthroplasty Tibial Components. *J Arthroplasty*. 2017 Feb 16. pii: S0883-5403(17)30120-1. doi: 10.1016/j.arth.2017.02.020. [Epub ahead of print]
14. Fehring TK, **Fehring KA**, Anderson LA, Otero JE, Springer BD. Catastrophic Varus Collapse of the Tibia in Obese Total Knee Arthroplasty. *J Arthroplasty*. 2017 May;32(5):1625-1629. doi: 10.1016/j.arth.2016.12.001. Epub 2017 Jan 30.
15. De Martino I, D'Apolito R, McLawhorn AS, **Fehring KA**, Sculco PK, Gasparini G. Social media for patients: benefits and drawbacks. *Curr Rev Musculoskelet Med*. 2017 Mar;10(1):141-145. doi: 10.1007/s12178-017-9394-7. Review.
16. **Fehring KA**, Abdel MP, Ollivier M, Mabry TM, Hanssen AD. Repeat Two-Stage Exchange Arthroplasty for Periprosthetic Knee Infection Is Dependent on Host Grade. *J Bone Joint Surg Am*. 2017 Jan 4;99(1):19-24. doi: 10.2106/JBJS.16.00075.
17. **Fehring KA**, Hanssen AD, Abdel MP. A Mesh Approach to Extensor Mechanism Reconstruction. *Seminars in Arthroplasty*. Accepted Nov 2015
18. **Fehring, KA**, Howe, BJ, Martin, JR, Taunton, MJ, Berry, DJ. Preoperative Evaluation for Pelvic Discontinuity Utilizing a New Reformatted CT Scan Protocol. Accepted *JoA* Nov 2015
19. Boe CC, **Fehring KA**, Trousdale RT. Failure of the Stem-Condyle Junction of a Modular Femoral Stem in Revision Total Knee Arthroplasty. *Am J Orthop*. 2015 Oct;44(10):E401-403.
20. Fehring TK, Carter JL, **Fehring KA**, Odum SM, Griffin WL. Cobalt to Chromium Ratio Is Not a Key Marker for ALTR in Metal on Metal Hips. *J Arthroplasty*. 2015 Sep; 30 (9 Suppl): 107-109.
21. **Fehring KA**, Berry DJ. Dissociation and Intrapelvic Entrapment of a Dual-mobility Polyethylene Component. *Clin Orthop Relat Res*. 2015 Jun 19.

22. **Fehring KA**, Fehring TK. Modes of Failure in Metal-on-Metal Hip Arthroplasty. *Orthop Clin North Am.* 2015 Apr;46(2):185-92.
23. Fehring TK, **Fehring K**, Odum SM. Metal artifact reduction sequence MRI abnormalities occur in metal-on-polyethylene hips. *Clin Orthop Relat Res.* 2015 Feb;473(2):574-80.
24. Fehring TK, **Fehring KA**, Odum SM, Halsey D; Physical Therapy Mandates by Medicare Administrative Contractors: Effective or Wasteful? *J Arthroplasty.* 2013 Oct;28(9):1459-62
25. **Fehring KA**, Owen JR, Kurdin A, Wayne JS, Jiranek WA. Initial stability of press-fit acetabular components under rotational forces. *J Arthroplasty.* 2013 Oct 18.
26. Mounasamy V, Hickerson L, **Fehring K**, Desai P. Open bicondylar Hoffa fracture with patella fracture: a case report and literature review. *Eur J Orthop Surg Traumatol.* 2013 Feb 27.
27. Jakoi A, O'Neill C, Damsgaard C, **Fehring K**, Tom J. Sports hernia in National Hockey League players: does surgery affect performance? *Am J Sports Med.* 2013 Jan;41(1):107-10.
28. Fehring TK, **Fehring K**, Springer BD, Masonis J, Denny A. Comparative Analysis of Peri-Articular Osteolysis in Modern Total Hip Bearings. *Orthop Clin North Am.* 2012 Nov;43(5):e14-6.
29. Fehring TK, Odum SM, Berend KR, Jiranek WA, Parvizi J, Bozic KJ, Della Valle CJ, Gioe TJ. **Acknowledged author.** Failure of Irrigation and Débridement for Early Postoperative Periprosthetic Infection. *Clin Orthop Relat Res.* 2012 May 3.
30. Odum SM, Fehring TK, Lombardi AV, Zmistowski BM, Brown NM, Luna JT, **Fehring KA**, Hansen EN; Periprosthetic Infection Consortium. Irrigation and Debridement for periprosthetic infections: Does the organism Matter? *J Arthroplasty.* 2011 Sep;26(6 Suppl):114-8. Epub 2011 May 31.
31. Fehring TK, Odum S, **Fehring K**, Springer B, Griffin W, Denny A. Mortality Following Revision Joint Arthroplasty: Is Age a Factor? *ORTHOPEDICS* October 2010;33(10):715.
32. **Fehring K**, Hamilton W. Metastatic Disease as the Cause of Knee pain in Total Knee Arthroplasty: A Case Report. *J Bone Joint Surg Am.* 2009 Mar 1;91(3):693-5.
33. Freeman M, Fehring TK, Odum S, **Fehring K**, Griffin WL, Mason JB. Functional advantage of articulating versus static spacers in 2-stage revision for total knee arthroplasty infection. *J Arthroplasty.* 2007 Dec;22(8):1116-21.

34. Fehring TK, Odum S, Struble S, **Fehring K**, Griffin WL, Mason JB. Hip instability in 2-stage reimplantation without an articulating spacer. *J Arthroplasty*. 2007 Sep;22 (6 Suppl 2):156-61. Epub 2007 Jul 26.
35. Nadaud MC, Fehring TK, Fehring K. Underestimation of osteolysis in posterior stabilized total knee arthroplasty. *J Arthroplasty*. 2004 Jan;19(1):110-5.

### Book Chapters

1. **Fehring, KA**, Sculco, PK, Sierra, RJ, Trousdale, RT. Pelvic Osteotomies: Adult Reconstruction of the Hip: 2
2. **Fehring, KA**, Fehring, TK. Complications after THA—Metal-on-Metal Bearings.

### Presentations

- **Fehring, KA**, Howe, BJ, Martin, JR, Taunton, MJ, Berry, DJ. Preoperative Evaluation for Pelvic Discontinuity Utilizing a New Reformatted CT Scan Protocol.
  - Poster Presentation, Mid-America Orthopaedic Association Annual Meeting, Bonita Springs, FL, April 12-16, 2015.
- **Fehring, KA**, Abdel, MP, Ollivier, M, Mabry, TM, Hanssen, AD. Repeat 2-Stage Exchange Arthroplasty for Periprosthetic Knee Infection is Dependent on Host Grade.
  - Podium Presentation, Mid-America Orthopaedic Association Annual Meeting, Bonita Springs, FL, April 12-16, 2015.
  - Poster Presentation, 2015 AAOS Annual Meeting, Orlando, FL, March 1-5, 2015.
- **Fehring, KA**, Abdel, MP, Ollivier, M, Mabry, TM, Hanssen, AD. Is a 2nd Two-stage the answer? The Results of Repeat 2-stage Exchange for Periprosthetic Hip Infection.
  - Podium Presentation, Mid-America Orthopaedic Association Annual Meeting, Bonita Springs, FL, April 12-16, 2015.
  - Poster Presentation, 2015 AAOS Annual Meeting, Orlando, FL, March 1-5, 2015.
- **Fehring KA**, Owen JR, Kurdin A, Wayne JS, Jiranek WA. Initial stability of press-fit, porous coated acetabular components under rotational forces
  - Podium Presentation, Southern Orthopaedic Association Annual Meeting, White Sulphur Springs, WV. July 18-21, 2012
  - Podium Presentation, Virginia Orthopaedic Society Annual Meeting, Williamsburg, VA. May 4-6, 2012

- Poster Presentation, MCV/VCU Health System Resident Research Day, Richmond, VA. June 6, 2012
- Podium Presentation, MCV/VCU Health System Orthopaedic Department Research Day, Richmond, VA. June 14, 2012
- Podium Presentation, 2012 Summer Meeting of the Hip Society, Rochester, MN, September 13-15, 2012
- Poster Presentation, Orthopaedic Research Society Annual Meeting, San Antonio, TX. January 26-29, 2013.
- Hamilton W, Fricka K, Reeves J, **Fehring K**, Ammeen D, Engh C, Engh G. Isolated Mechanical Thromboembolic Prophylaxis Following Total Knee Arthroplasty. Anderson Orthopaedic Research Institute, Alexandria, Virginia. Poster Presentation at Virginia Orthopaedic Society 61st Annual Meeting. May 2-4, 2008
- Odum S, Fehring TK, Lombardi A, Zmistowski B, Brown N, Luna J, **Fehring K**. Irrigation and Debridement for periprosthetic infection: Does the organism Matter? Podium Presentation, AAOS Annual Meeting, San Deigo, California February 16-20, 2011.
- Fehring TK, Odum SM, Berend KR, Jiranek WA, Parvizi J, Bozic KJ, Della Valle CJ, Gioe TJ. Acknowledged author. Efficacy of perioperative Irrigation and Debridement for prosthetic Infection AAHKS Annual Meeting. November 4-6, 2011.