



## Thomas K. Fehring, MD

### Bio

- Co-Director of OrthoCarolina Hip & Knee Center
- Director of the OrthoCarolina Prosthetic Joint Infection Center
- Co-Director of OrthoCarolina Charitable Foundation
- Medical Director Novant Orthopedic Hospital (2000 – 2018)
- President of the Knee Society (2014 – 2015)
- President of the American Association of Hip and Knee Surgeons (2013 - 2014) · Operation Walk Team Member - [Cuba 2017](#)

**P: 704.323.2564**

### Patient Rating:

4.5 out of 5 Stars

### LOCATIONS

- Hip & Knee Center
- Periprosthetic Joint Infection Center

### CLINICAL SPECIALTIES

- Hip
- Specialties
- Knee

### Education

- **Wake Forest University** -- *Bachelor of Science*
- **University of Texas Medical Branch** -- *Doctor of Medicine*
- **Vanderbilt University Medical Center** -- *Internship*
- **Vanderbilt University Medical Center** -- *Residency*
- **New England Baptist Hospital** -- *Fellowship, Adult Reconstructive Surgery*

### Practice

- Specializes in surgery for arthritis of the hip and knee
- Specializes in revision total knee replacement
- Specializes in revision total hip replacement
- Specializes in the treatment of Prosthetic Joint Infection
- Specializes in arthroscopic knee surgery
- Board Certified Surgeon

### PATENTS:

- United States Patent, US2007080796, "Mobile/Fixed Prosthetic Knee Systems", Fehring et al.. Date of patent: September 10, 2007
- United States Patent, US 6,773,520 B1, "Enhanced Biocompatible Implants and Alloys, Fehring, et al. Date of patent: August 10, 2004

- United States Patent, US 6,539,607 B1, “Enhanced Biocompatible Implants and Alloys”, Fehring, et al. Date of patent: April 1, 2003
- United States Patent, US 6,187,045B1, “Enhanced Biocompatible Implants and Alloys”, Fehring et al. Date of patent: February 13, 2001

## Awards

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### HONORS:

- Named a 2023 Top Doctor by Charlotte Magazine
- 2022 [North Carolina's Top Doctors](#), Charlotte Region, SouthPark Magazine
- Named a 2021 Top Doctor by Charlotte Magazine
- Named a Carolina Top Doctor, 2020
- Charlotte Business Journal “Best Doctors in America List”
- Multiple time recipient of Charlotte Magazine Top Doctor List
- Becker’s Orthopaedic Review “Knee Surgeons You Should Know”
- Business North Carolina’s Best Doctor List
- Physician of the Year, OrthoCarolina 2011
- Physician of the Year, Novant Orthopaedic Hospital, 2010
- Wake Forest University, Athletic Scholarship - Varsity Football
- NCAA Post Graduate Scholarship for Excellence in Athletics and Academics
- Atlantic Coast Conference Academic ALL Conference

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### ACADEMIC AWARDS:

*Won by Dr. Fehring for Excellence in Orthopaedic Research*

- Winner of the Top Research Paper of 2024 by the American Academy of Orthopedic Surgeons
- Winner of the Top Research Paper of 2023 by the American Association of Hip and Knee Surgeons
- 2011 AAHKS Poster award for the poster entitled “Efficacy of Perioperative Irrigation and Debridement for Prosthetic Infection”
- John Insall Award for outstanding paper, “Control-Matched Evaluation of Patellar Crepitus after Total Knee Arthroplasty. Presented at the Knee Society, 2010
- Chitranjan Ranawat award for outstanding paper, “Fate of Two- Stage Reimplantation After Failed Irrigation and Debridement for Periprosthetic Knee Infection. Presented by The Knee Society, 2010.
- James A. Rand, MD Young Investigators Award for most outstanding paper in the area of arthroplasty research, “Success of Modern Cementless

Femoral Components in Young Patients: A Systematic Review and Meta-analysis of Total Hip Arthroplasty and Hip Resurfacing. Do the Results Justify Hip Resurfacing?"(senior author). Presented at the American Association of Hip and Knee Surgeons, 2008.

- Mark Coventry Award for outstanding paper, "Polyethylene Sterilization and Wear-Related Failures with PFC Total Knees", presented at the Knee Society, 2006.
- Mark Coventry Award for outstanding paper, "Factors Influencing Wear and Osteolysis in PFC Modular Total Knees", presented at the Knee Society, 2003.
- Chitranjan Ranawat Award for outstanding paper, "A Comparison of Articulating vs. Static Spacers in Revision Total Knee Arthroplasty for Sepsis", presented at the Knee Society, 2000.

## Research

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### PUBLICATIONS:

*Dr. Fehring has published over 175 articles in Orthopaedic professional journals to help instruct Orthopaedics surgeons and improve patient care. A few examples are listed below:*

- Radiographic Cone Zone Classification of Metaphyseal Cone Fixation in Revision Total Knee Arthroplasty Omar A. Behery, Elaine Z. Shing, Ziqing Yu, Bryan D. Springer, Walter B. Beaver, Thomas K. Fehring, Jesse E. Otero. JOA Feb 24.doi.org/10.1016/j.artd.2023.101271
- Increased Incidence of Methicillin-Resistant Staphylococcus aureus in Knee and Hip Prosthetic Joint Infection: Matthew R Hays , Beau J Kildow , Curtis W Hartman , Elizabeth R Lyden , Bryan D Springer , Thomas K Fehring , Kevin L Garvin 2023 Jun;38(6S):S326-S330. doi: 10.1016/j.arth.2023.02.025. Epub 2023 Feb 2 PMID: 36813212
- Treatment Outcomes of Fungal Periprosthetic Joint Infection. Herndon CL, Rowe T, Metcalf R, Odum S, Fehring TK, Springer BD, Otero JE.J Arthroplasty. 2023 May 11:S0883-5403(23)00476-X. doi: 10.1016/j.arth.2023.05.009. Online ahead of print.PMID: 371
- Total Knee Arthroplasty following Knee Arthroscopy in Patients over 50. Buck JS, Odum SM, Salava JK, Macknet DM, Fehring TK, Springer BD.J Knee Surg. 2023 May;36(6):591-595. doi: 10.1055/s-0041-1740391. Epub 2021 Dec 7.PMID: 34875714

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For a complete list of publications please [click here](#).

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## **PRESENTATIONS:**

*Dr. Fehring made over 600 presentations to other orthopaedic surgeons at National meetings to help instruct orthopaedic surgeons improve patient care.*

*Examples Include:*

- One-Stage Treatment of Prosthetic Joint Infection American Academy of Orthopedic Surgeons, 2023
- Robotics Provide no Value in TKA American Academy of Orthopedic Surgeons, 2023
- Patellar Resurfacing is best for all patients Current Concepts in Joint Replacement, 2022
- Spino- Pelvic Motion and it's effect on Hip Stability Current Concepts in Joint Replacement, Dec 2022
- Triflange Reconstruction is the best for massive acetabular defects Current Concepts in Joint Replacement, Dec 2022 For a complete list of presentations please [click here](#).

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## **VISITING PROFESSOR:**

*Dr. Fehring has been asked to lecture as a visiting professor at over 25 prestigious institutions across the country, such as:*

- Mayo Clinic, Rochester, Minnesota, May, 2012
- Harvard Medical Center, Boston, Massachusetts, October, 2011
- The Hospital for Special Surgery, New York, NY, March, 2016
- Vanderbilt Medical Center, Nashville, TN, April, 2016
- New England Baptist Hospital, Boston, Massachusetts, July, 2014

For a complete list of visiting professorships please [click here](#).

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## **INSTRUCTOR:**

*Dr. Fehring has been asked to be an instructor of other orthopaedic surgeons at the American Academy of Orthopaedic Surgeons Annual Meeting over 50 times.*

*Examples of such instructional courses include:*

- Instructional Course Lecture, "Management of Infected Total Joint Arthroplasty in 2018 – Where DO We Stand Now?". Annual meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, March 9, 2018.

- Instructional Course Lecture, “Leadership at Every Level: Principles and Practice”. Annual meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, March 7, 2018.
- Instructional Course Lecture, “Four Challenges in Revision Total Knee Arthroplasty: Exposure, Safe and Effective Component Removal, Bone Deficient Management, and Fixation”. Annual meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, March 7, 2018.
- Symposium Y, “How I Perform a Primary and Revision TKA”, Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, Nevada, March 24-28, 2015.
- Instructional Course, The Difficult Primary Total Knee Arthroplasty: Evaluation and Management, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, March 13, 2014.

For a complete list of instructional courses please [click here](#).

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#### **BOOK CHAPTERS:**

*Dr. Fehring has written 18 book chapters on a variety of Hip and Knee replacement subjects to help instruct other orthopaedic surgeons.*

- J. Lieberman and D. Berry (editors), Advanced Reconstruction: Hip 2, American Academy of Orthopaedic Surgeons (AAOS), Rosemont, IL, 2015 Section 4: Revision Total Hip Arthroplasty, Chapter “*Revision THA: Revision of Failed Metal-on-Metal THA*”.
  - W. Norman Scott (ed)., Insall & Scott Surgery of the Knee Fifth Edition, Elsevier Churchill Livingstone, Philadelphia, PA, 2011, Section 12, Chap 124, “*Advanced Technologies in Performing Total Knee Arthroplasty: Roundtable Discussion*”.
  - Jay R. Lieberman, Daniel J. Berry, Frederick Azar (eds) Advanced Reconstruction: Knee, American Academy of Orthopaedic Surgeons, Rosemont, IL 2011, Section 2, Chap 19, “*Total Knee Arthroplasty: Extra-Articular Deformity*”.
  - Arlen D. Hanssen, W. Norman Scott, (eds), Operative Techniques: Total Knee Replacement, Saunders Elsevier, Philadelphia PA., 2009, Procedure 21, “*Cemented Stem Fixation in Revision Total Knee Arthroplasty*”.
  - Paul A. Lotke, Jess H. Lonner, (eds), Master Techniques in Orthopaedic Surgery: Knee Arthroplasty, 3<sup>rd</sup> Edition, Lippincott, Williams and Wilkins, Philadelphia, PA., 2008, Chap. 4, “*Exposing the Revision Total Knee Arthroplasty*”.
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For a complete list of book chapters please [click here](#).