



Thomas K. Fehring, MD

Bio

- Co-Director of OrthoCarolina Hip & Knee Center
- Co-Director of OrthoCarolina Charitable Foundation
- Medical Director Novant Orthopedic Hospital (2000 – Present)
- 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
- 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 primary total knee replacement
- Specializes in primary total hip replacement
- Specializes in revision total knee replacement
- Specializes in revision total hip replacement
- 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
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- [Patient Education](#) partner AAHKS

Awards

HONORS:

- 2022 [North Carolina's Top Doctors](#), Charlotte Region, SouthPark Magazin
 - 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

- 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-
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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

PUBLICATIONS:

Dr. Fehring has published over 115 articles in Orthopaedic professional journals to help instruct Orthopaedics surgeons and improve patient care. A few examples listed below:

- Direct Anterior Approach: Risk Factor for Early Femoral Failure of Cementless Total Hip Arthroplasty: A Multicenter Study. J Bone Joint Surg Am. 2017 Jan 18;99(2):99-105. doi: 10.2106/JBJS.16.00060.
- Cystic Adverse Local Tissue Reactions in Asymptomatic Modular Metal-on-Metal Total Hips May Decrease Over Time”, The Journal of Arthroplasty, published online: Jan 21, 2016:dx.doi.org/10.1016/j.arth.2016.01.020.
- Risk Stratification Algorithm for Management of Patients with Metal-on-Metal Hip Arthroplasty; Consensus Statement of the American Association of Hip and Knee Surgeons, the American Academy of Orthopaedic Surgeons, and The Hip Society: J Bone Joint Surg Am, 96(1), Jan. 2014.
- Lower Extremity Joint Kinematics during Stair Climbing in Knee Osteoarthritis. Med Sci Sports Exerc. 2010, Aug 2.
- Prevention and Treatment of Stiffness Following Total Knee Arthroplasty, Current Opinion in Orthopedics, Vol 19 (1), January, 2008, 72-74.
- Polyethylene Exchange Only for Prosthetic Knee Instability, Clinical Orthopaedics and Related Research 405, December 2002, 182-188.

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

PRESENTATIONS:

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

Examples Include:

- “Orthopaedic Innovation: Opportunities, Challenges and Responsibilities” John Insall Honorary Lecture, New York, NY, March 30, 2016.
- “Prevention and Treatment of Knee Instability”, Knee Society 2016 Open meeting/AAOS Specialty Day, Orlando, Florida, March 5, 2016.
- “The Most Important Things that I do to Avoid Infection.” Annual Meeting of the American Association of Orthopaedic Surgeons, Orlando, Florida, March 1-5, 2016.
- “Gap Balancing in Primary Total Knee Arthroplasty”. AAOS 2015 Specialty Day, Las Vegas, NV, March 28, 2015.
- “Improving Medicare Readmission Risk Adjustment Model Should Maintain Access” (poster). Annual Meeting of the American Association of Hip and Knee Surgeons, Dallas, Texas, November 6-9, 2014.

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

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](#).

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](#).

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, 3rd 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](#).