



**ADVANCED ORTHOPEDICS  
AND SPORTS MEDICINE INSTITUTE, PC**  
A CENTER OF EXCELLENCE FOR BONE AND JOINT CARE

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Press Release

**February 11, 2010**

**Orthopedic Surgeons [Dr. Michael Greller](#) & [Dr. Alan Nasar](#) of AOSMI, Freehold and Monroe, NJ, Performed 1<sup>st</sup> Custom-Fit Knee Replacement Surgery in Northeast US**

**Dr. Michael J. Greller, a board-certified and a fellowship-trained sports medicine orthopedic surgeon at Advanced Orthopedics and Sports Medicine Institute (AOSMI), Freehold and Monroe townships, NJ, performed the first “custom-fit knee” replacement surgery in the Northeast. AOSMI’s orthopedic surgeon Dr. Alan Nasar assisted Dr. Greller in the surgery and worked with the manufacturer to design this cutting-edge technology, which provides great advantages over traditional knee replacements.**

**Dr. Michael J. Greller, a board-certified and a fellowship-trained [sports medicine orthopedic](#) surgeon at Advanced Orthopedics and Sports Medicine Institute (AOSMI), Freehold and Monroe townships, New Jersey, performed the very first “custom-fit knee” replacement surgery ever in the Northeast (New Jersey, New York, Pennsylvania, and Connecticut) this January, using Patient Specific Instrumentation (PSI) manufactured by Zimmer, a leader in orthopedic reconstructive products.**

**Dr. Alan Nasar, an orthopedic surgeon at AOSMI who assisted Dr. Greller in the surgery, worked with the manufacturer in developing the design of this cutting-edge technology. Patient Specific Instruments streamline [total knee replacement surgery](#) by ensuring accurate and reproducible guide fixation, a process that simplifies the operative procedure by allowing the surgeon to implant a replacement that is a custom fit and designed specifically for an individual patient.**

**The orthopedic surgeons at AOSMI provides a range of services, including sports medicine, joint replacement, [fracture care](#), [spine care](#), work injury care, hand and wrist care, physiatry, foot and ankle care, and osteoporosis care to the residents of Freehold and Monroe Townships and surrounding towns in Monmouth and Middlesex Counties. The advantage of the PSI (Patient Specific Instrumentation) or “custom-fit knee” is that the precise calculations are done before the surgery. For the patient PSI technology means such wonderful benefits as less blood loss and better alignment. AOSMI’s Dr. Greller notes that because this procedure is MRI-based, there is no radiation as with CTs. An MRI also has an advantage over a CT because it provides**

details about the cartilage wear. Once an MRI is taken, custom guides, specifically designed for each patient, are then manufactured by Zimmer to make an exact template of the knee. “This technique definitely benefits patients because surgeon-controlled customization results in more precise cuts based on what the surgeon is trying to achieve,” says Dr. Greller.

“Some additional benefits are decreased operative time, less patient risks, better alignment, and more accurate results,” adds Dr. Nasar.

Dr. Greller, an expert on sports medicine and minimally invasive arthroscopic procedures of the shoulder, knee, hip, and ankle, says, “This is the next wave. Living with knee pain is not an option.” As part of AOSMI’s Patient-Centered, Patient – Focused Care™, Dr. Greller keeps up to date on the latest developments in minimally invasive orthopedic surgical procedures, including this “custom-fit knee” replacement. Dr. Greller earned his M.D. from Albert Einstein College of Medicine, N.Y. He completed his residency in orthopedic surgery at the Hospital for Joint Diseases Orthopedic Institute – New York University Medical Center. He also completed a fellowship in sports medicine at Temple University, and spent an extra year specializing in minimally invasive arthroscopic procedures of the shoulder, knee, and ankle. Dr. Greller was one of the first New Jersey surgeons to use minimally invasive computer-assisted hip, knee, and shoulder replacements. He is the assistant director of the Cartilage Restoration Center, Freehold, NJ, managing partner and president of AOSMI, Freehold and Monroe townships, NJ, and vice-chairman of the Department of Orthopedics at CentraState Medical Center, Freehold, NJ.

Dr. Alan Nasar, a board-certified orthopedic surgeon at AOSMI, specializes in joint replacement, avascular necrosis, knee and hip arthroscopy, and fracture and trauma care. He holds a degree in mechanical engineering from Cooper Union for the Advancement of Art and Science, New York City, where he received specialized training in biomechanics and biometrics. He received his M.D. from the medical school of University of Medicine and Dentistry of New Jersey. He completed surgical internships in general surgery and orthopaedic surgery at the State University of New York - Stony Brook Hospital, and adult reconstructive surgery at Desert Orthopaedic Center, Las Vegas, Nevada. He is a member of the American Medical Association and a member of the American Academy of Orthopaedic Surgeons.

Both surgeons serve residents of the communities of Colts Neck, Englishtown, Freehold, Howell, Jackson, Manalapan, Marlboro, Monroe, Morganville, and other towns in New Jersey.

Today, the surgeons at Advanced Orthopedics and Sports Medicine Institute (AOSMI) provide the Monmouth and Middlesex County communities with specialists for every orthopedic need. Located in the Pond View Professional Park at 301 Professional View Drive in Freehold, and Renaissance Crossing Medical Arts Building at 312 Applegarth Road, Suite 101, Monroe Township, New Jersey, Advanced Orthopedics and Sports Medicine Institute provides advanced medical care with leading doctors and surgeons,

state-of-the-art technology, and exceptional Patient-Centered, Patient-Focused Care <sup>TM</sup>. The seven practicing physicians at AOSMI have a combined 100 years of experience providing exceptional orthopedic care to the New Jersey communities of Monmouth and Middlesex County. For more information, call 732-720-2555 or visit [www.AdvancedOrthoSports.com](http://www.AdvancedOrthoSports.com).

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