

## First-ever knee procedure done by Melrose Park doctor

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Dr. Jeffrey S. Meisles, of Orthopedic Specialists in Melrose Park, has performed the first-ever personalized partial knee replacement in the state of Illinois. Dr. Meisles' patient, Lydia Korzen, a 51-year-old Illinois resident, experienced severe knee pain over the past two years and has recently received the iDuo® bicompartamental knee resurfacing implant.

Korzen has suffered from rheumatoid arthritis in all her joints since she was 19 years old and has had years of knee pain and two prior knee surgeries. Her second surgery was for tearing her meniscus in 2009, and since then she has been unable to participate in normal daily activities like walking, swimming and climbing stairs without experiencing extreme pain. To address this continued knee pain, Korzen met with Dr. Meisles to discuss alternative surgical options that could put an end to her continuous debilitating pain.

Dr. Meisles suggested Korzen try a procedure using a personalized partial knee resurfacing device from ConforMIS, a medical device company that develops and manufactures personalized partial knee implants. Korzen was an ideal candidate for the iDuo a bone-sparing alternative to traditional total knee replacement in patients whose arthritic damage is limited to just one or two compartments of the knee, and opted to have the procedure done on her left knee. The iDuo resurfaces only the affected areas of the knee, preserving far more bone on both the femur and tibia, than traditional total knee replacement surgery. It also preserves the patient's ligaments, helping to maintain a more natural feeling knee, and it safeguards options for future surgical procedures.

"This technology offers patients a solution by allowing them to regain their pain-free and active lifestyle at a younger age," said Dr. Meisles. "Additionally, unlike traditional total knee replacement, a patient-specific partial knee implant enables the patient's healthy bone and cartilage to be preserved."

"After living through so much pain during the past couple years, this surgery has given me a new opportunity to enjoy the simple things in life again," said Korzen. "It's so nice to be able to swim in our pool and take the dogs for a walk down the street without being in extreme pain. I used to be so limited in what I was able to do, but thanks to this new procedure I'll be able to live my life without being constrained by constant knee pain."

The manufacturer of the implants, ConforMIS, Inc., has developed a full line of implants that are designed to treat all stages of osteoarthritis, including the iUni® unicompartamental knee resurfacing implant and the iDuo. These implants are developed utilizing a computer modeling system and software to extract individual and anatomic information from CT images. This 'image-to-implant' technology provides a 3D image of the knee which is used to design and manufacture a personalized implant that conforms to the exact shape and size of the individual patient. Because of its precise size and shape, a ConforMIS implant reduces the need for tissue resection and preserves more of a patient's natural anatomy.