Signature Knee Replacement Surgery by Johnson

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Many Americans undergo knee replacement surgery when knee pain becomes unbearable. Knee replacement surgery is the last option for patients with severe knee arthritis. A new type of knee replacement is receiving a lot of attention, which is called a 'custom knee replacementâ€™ or â€˜signature knee replacement.â€™

A knee replacement implant has three basic parts called components. The tibial component of the knee replacement sits on top of the shin bone. The femoral component fits on the end of the thigh bone. Between these metal implants is a plastic component called the spacer.

A signature knee replacement is quite similar to standard knee implants in that the same types of parts are used as described above. The difference with the signature knee replacement is that prior to undergoing the operation, the patient has an MRI of the knee. Custom designed cutting guides are then made for the patient, which help the surgeon remove a precise amount of bone at specific angles to accept the knee replacement implant. By customizing the cuts made to fit the knee implant, the surgeon will be able to remove less normal bone and correct alignment problems within the knee.

This new technology is designed to fit your specific anatomy, so the signature custom knee makes the instrumentation for you only.

Benefits of a Signature Custom Knee Replacement:

There are numerous benefits of signature custom knee replacement surgery. These include more limited trauma to the knee by possibly removing less bone. As the alignment is custom made for your knee, less work has to be done at the time of surgery to determine alignment and ensure the knee implant will be properly positioned. Surgeons feel that the replacement can be done quicker, with less soft-tissue disruption. If the signature knee implants of a knee replacement can be placed more accurately, they may last longer by not wearing out as quickly.

Combined with a rapid recovery, the signature custom total knee has revolutionized knee replacement surgery.

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Johnson usually visits well-known orthopaedic surgeons and write about their practices. Many people are opting for a Signature Knee Replacement surgery due to its many advantages. For more information visit: www.zehrcenter.com

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