

## **Surgical Technique Considerations for an Implantable Shock Absorber for Patients with Medial Knee Osteoarthritis**

David Clint Flanigan<sup>1</sup>, David R Diduch, Andreas H Gomoll<sup>2</sup>, Dennis C Crawford<sup>3</sup>, Anil S Ranawat<sup>4</sup>, Seth Sherman<sup>5</sup>

<sup>1</sup>OSU Sports Medicine Ctr, <sup>2</sup>Hospital For Special Surgery, <sup>3</sup>Oregon Health Sciences University, <sup>4</sup>Hosp for Special Surgery,

<sup>5</sup>Stanford Medicine Outpatient Center

This video describes the concept, surgical technique, and key results of an implantable shock absorber for patients with symptomatic, mild to moderate medial knee osteoarthritis who are not candidates for arthroplasty because they are younger or do not have severe osteoarthritis. The implantable shock absorber was authorized by the FDA, and recent results have shown the superiority of the implantable shock absorber over a high tibial osteotomy.

Given an increased patient demand for pre-arthroplasty treatment and growing surgeon interest in less invasive techniques for off-loading the knee, this video presents the key steps and tips for successful implantable shock absorber surgery.