



Preoperative

Preoperative Diagnosis:

Age: 43 years old

Gender: Male

Occupation: Laborer

Condition: Focal chondral defect to the articular cartilage, left knee

History:

Patient with history of left knee arthroscopy and medial menisectomy.

Chief Complaint:

Increasing left knee pain in the last several months; mostly from standing lengthy periods of time. Patient has difficulty going up and down stairs and has pain with running.

Physical Examination:

Pain over medial joint line. No instability in the anterior/posterior and varus/valgus planes. No swelling.

Plan:

Left knee chondroplasty of the medial femoral condyle with Arthrosurface HemiCAP resurfacing device.

Knee Patient Case Study

Series Number: 7000-101 RB

Intraoperative

Arthroscopic evaluation revealed minor abnormalities on femoral trochlear groove. Medial compartment shows a .5cm x 1cm Grade IV lesion on the femoral condyle. No abnormalities on medial tibial plateau. Lateral compartment was free of articular injury. Soft tissue and meniscus were stable and intact.

Postoperative

At 6 weeks postoperative, patient has full range of motion. No tenderness to palpitation. On x-ray, there is no change to the appearance of the HemiCAP implant. Patient is full weight bearing and not using a cane anymore. He has returned to full activity at work.

Follow-up

At 2 years postoperative, patient has full range of motion. Excellent quadriceps strength. Patient is refereeing high school soccer games and running without complaints or limitation. Improvement of 99% on WOMAC scoring system.

WOMAC Scores	Baseline	1 yr. post-op	2 yrs. post-op
Pain (worst score 500)	229	2	5
Joint Stiffness (worst score 200)	106	1	0
Physical Fx (worst score 1700)	1082	11	12
WOMAC Total	1417	14	17
% Improvement		99%	99%

