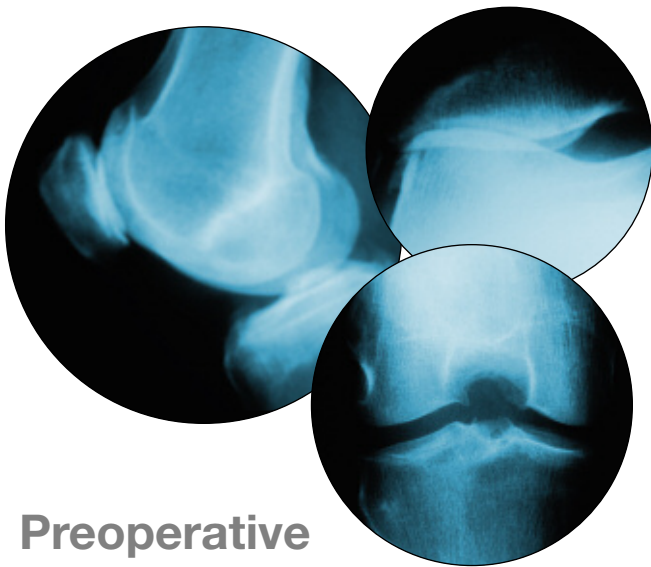




## Patello-Femoral Case Study

Series Number: PF1000-105 PAD



### Preoperative

**Preoperative Diagnosis:**

**Age:** 44 years old

**Gender:** Female

**Occupation:** Physical Education Teacher

**Condition:** Patella malalignment and patello-femoral arthrosis

**History:**

Patient with history of left knee pain for more than 20 years with three previous left knee arthroscopies. Patella realignment and hyaluronic acid injection treatments were unsuccessful.

**Chief Complaint:**

Increasing left knee pain marked in nature; mostly anterior. Walking causes marked pain and swelling.

**Physical Examination:**

Pain over lateral patella facet and lateral femoral trochlear groove. She has pain with patella compression to the lateral side. She has visibly and palpably increased patellar tilt and translation.

**Plan:**

Left knee chondroplasty of the patella femoral region with Arthrosurface HemiCAP® resurfacing device.

### Intraoperative

Arthroscopic evaluation revealed advanced kissing Grade 4 lesions of the lateral patellar facet and the femoral trochlear groove. Surgical findings also included intact medial and lateral compartments, intact ACL and PCL. The patient was noted to have 90% grade 4 chondromalacia with exposed bone over the lateral patellar facet and 65% grade 4 chondromalacia of the lateral aspect of the femoral trochlear groove with moderate dysplasia of the femoral trochlear groove.

### Postoperative

At 6 weeks postoperative, patient had full range of motion from 0 to 150°. No tenderness to palpitation. She is able to maintain a strong straight-leg raise. On x-ray, there was no change to the appearance of the HemiCAP® implant. Patient is full weight-bearing. She has returned to full activity at work.

### Follow-up

At 6 months postoperative, she has had nearly complete relief of aching, excellent relief of preoperative exertionally related sharp pain but has occasional giving way at days end. She is noted to have a slight quadriceps circumference deficit but overall is doing well both objectively and subjectively.

