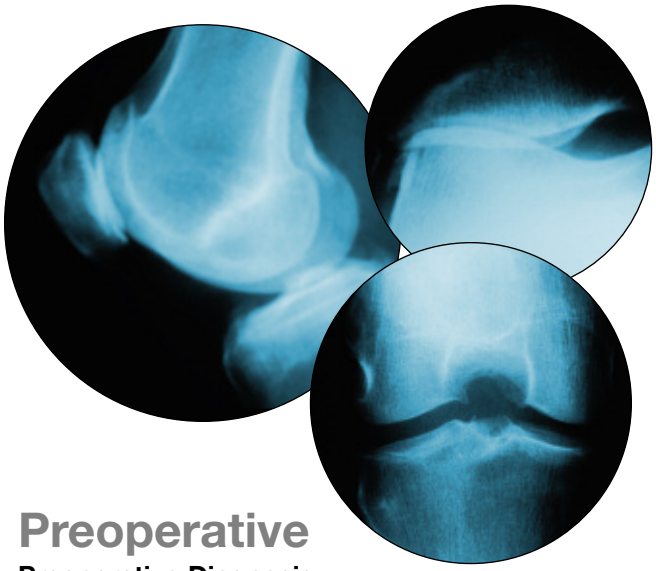
arthrosurface®
Restoring the **Geometry** of *Motion*™

HemiCAP® CoCr

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. Concurrent proximal patellar realignment.

Intraoperative

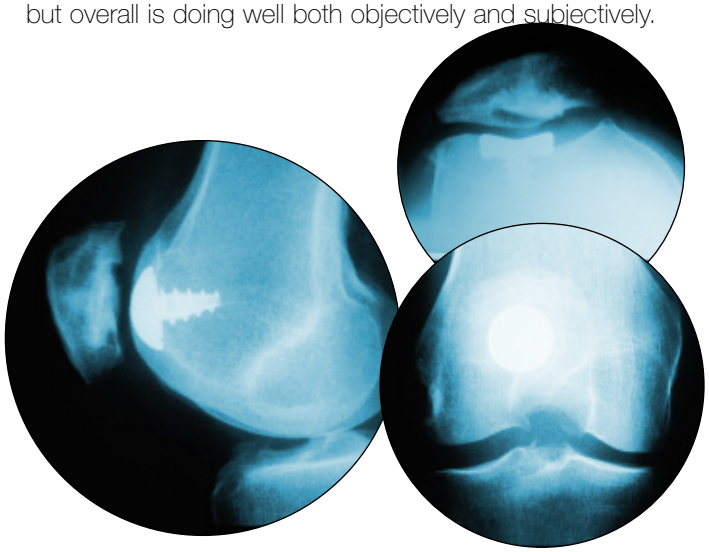
Arthroscopic evaluation revealed Grade 4 lesions of the lateral patellar facet and the femoral trochlear grove. Surgical findings also included intact medial and lateral compartments, intact ACL and PCL. The patient was noted to have 90% grade 4 chondromalacia with exposed bone over the lateral patellar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

Postoperative

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

Follow-up

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



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This product is covered by one or more of US Patent Nos. 6,520,964; 6,610,067; 6,679,917 and other patents pending.
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