

Synovial osteochondromatosis treated with hip arthroscopy

Hideyuki Aoki, Taihei Go, Daisuke Kamakura,
Ryouichi Fukano, Ryo Takamatsu, Tkashi Nakamura

**Department of Orthopaedic Surgery, School of
Medicine, Toho University**

Introduction

Synovial osteochondromatosis is a benign condition characterized by synovial metaplasia and the formation of osteochondral bodies in the synovial cavity.

We report a rare case of synovial osteochondroarthritis treated by hip arthroscopy.

28-year-old female

She complained of the left hip pain when standing up and squatting down for two years.

The range of motion of the left hip was limited by pain.

Radiograph



Plain radiography revealed calcified lesion at the acetabular fossa of the left hip

3DCT



computed tomography showed clusters of loose bodies filling throughout in the hip joint

Arthroscopic Examination



Synovial osteochondroatosis was suspected and treated with hip arthroscopic surgery

Radiograph after operation



After surgery her symptoms disappeared and range of motion of the hip almost completely restored

Assessment

Conventional treatment is open synovectomy and removal of the loose bodies with surgical dislocation of the femoral head.

Lee JB Am J Sports Med 40: 2012

In our case, we decided to perform arthroscopic surgery because the
Lesions were restricted to the acetabular fossa

Conclusion

Hip arthroscopy is considered to be an effective tool for diagnosis and treatment of synovial osteochondromatosis of the hip.