

- Abstract -

Chondroblastoma of the Patella with Secondary Aneurysmal Bone Cyst

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Chondroblastoma of the patella is a uncommon benign neoplasm in the middle aged person. Furthermore, a hemorrhagic cystic change associated with chondroblastoma is extremely rare. We experienced a case of chondroblastoma which underwent hemorrhagic cystic change. A fifty-year-old female patient has suffered from right knee joint pain for 1 month before. Dominant gross feature was hemorrhagic cyst which was not involved into the joint space. Soft tissue was curetted and it was diagnosed to be chondroblastoma. The case was treated with curettage and bone graft.

Key Words : Patella, Chondroblastoma, Secondary Aneurysmal Bone Cyst

50

10 20

가

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516

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50 1

2 × 3cm

가

(Fig. 1).

T1 weighted
T2 weighted

(fluid-fluid

level)

(Fig. 2).

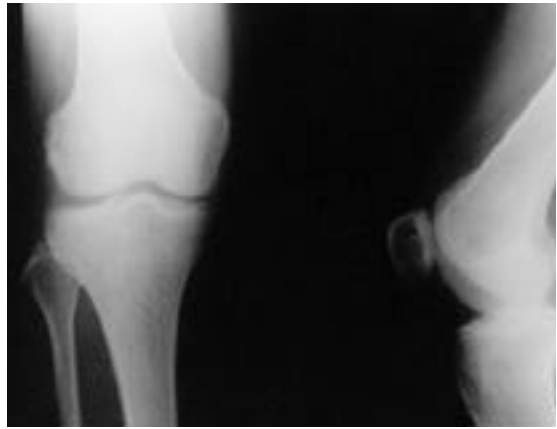


Fig. 1. Simple radiograph, Cystic bone lesion was noted on the superolateral aspect of the patella.

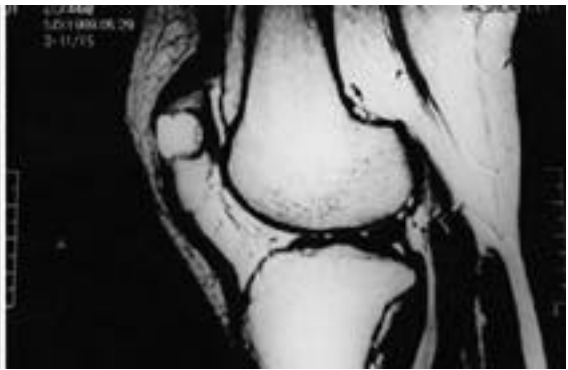
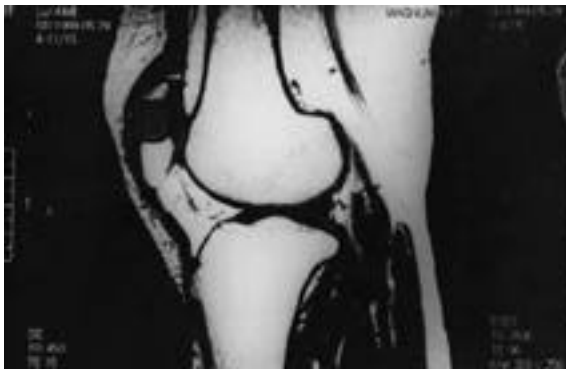


Fig. 2. MRI : T1-weighted image showed well-defined low signaling lesion in the patella and T2 - weighted image showed high signal lesion with fluid - fluid level.

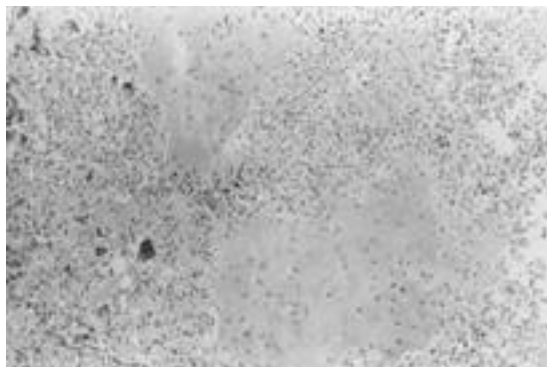


Fig. 3. H-E staining(× 100) : Chondroblast that is large and polygonal cells with a prominent nucleus were distributed on the chondroid matrix.

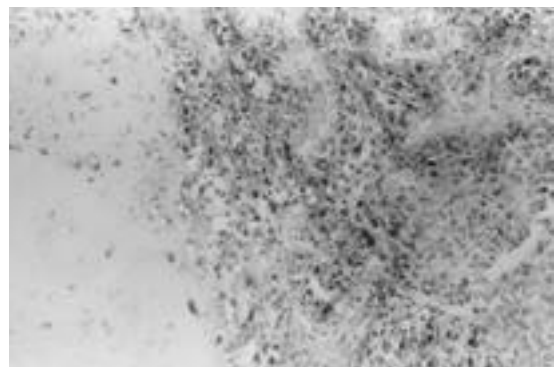


Fig. 4. S-100 special staining(× 400) : Tumor cells were stained into brown color. this finding suggested that tumor cells were composed of the chondroblast.

2.5cm

가 가
가 가
가 가
가 가

(30~50%) (punctate calcific density or septation) 가

, H-E

(Fig. 3). S-100

(Fig. 4).

25~50%

1

(multilocular)

7)

, T1 weighted

1~3%

, T2 weighted

10

12)

20 가

70%

가

2

(fluid-fluid level)

9)

T2

1%

3,11)

가

2) 38

가

phenol

1

1,2)

가 가

4,9)

가

가 9) Huvos

Marcovó⁸⁾

25%

Schajowicz Gallardo¹¹⁾

, 9) 5%

6 1

1

8)

50

7)

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