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Tel: 02) 361-6247, Fax: 02) 363-1139, E-mail: sbhahn@yumc.yonsei.ac.kr

(Fig. 1A).

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(Fig. 1B).

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(Fig. 2).

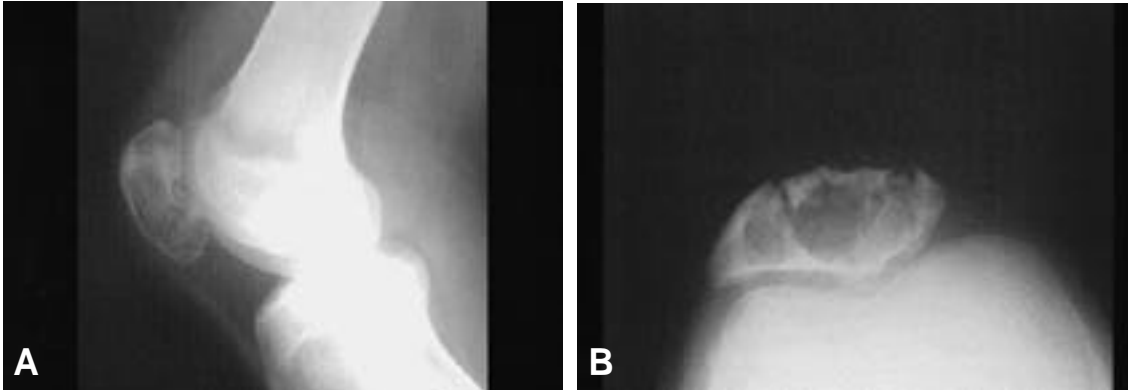


Fig. 1. Plain radiograph of the 19 years old man. (A) multiple osteolytic lucency and septa like structure was seen in left knee lateral radiograph. (B) and cortical discontinuity was also seen in skyline view of left knee radiograph.

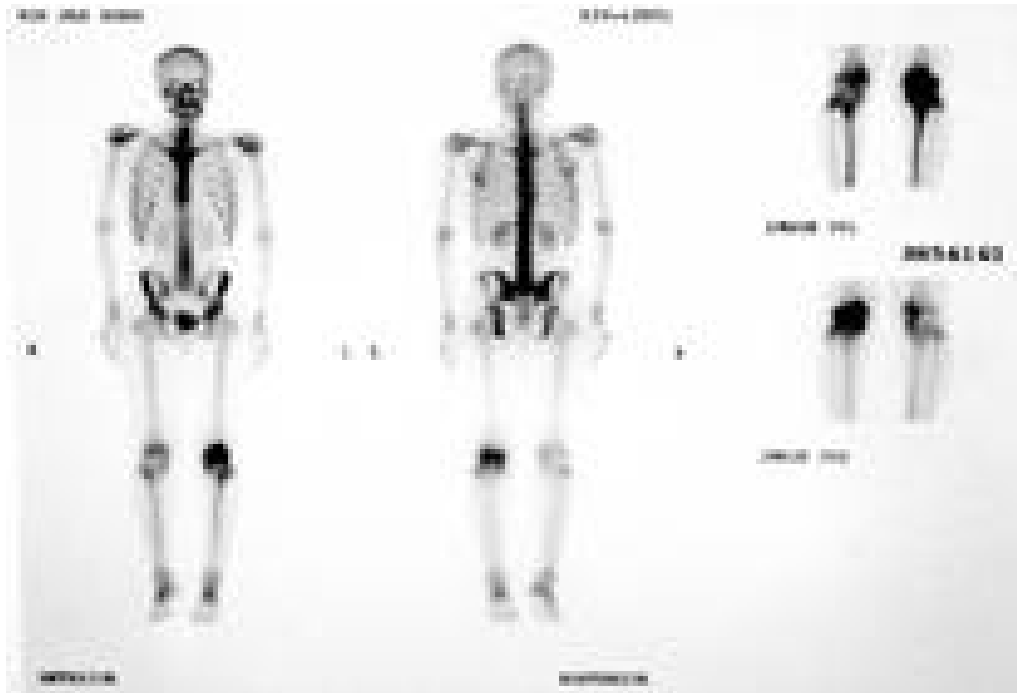


Fig. 2. Whole body bone scan with Tc-99m-HDP^{20mCi}. Hot uptake of left knee area was noted and abnormal uptake was not seen other skeleton.

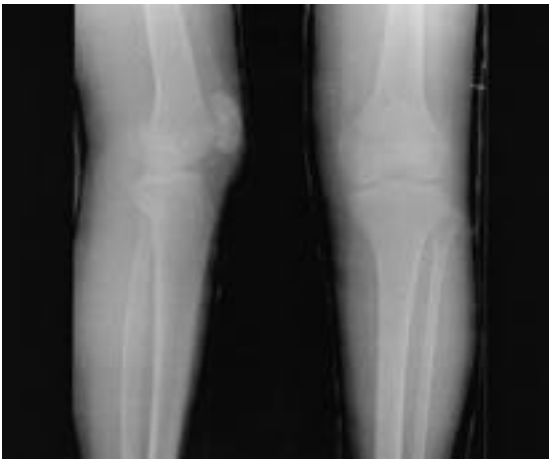


Fig. 3. Immediate postoperative plain radiograph. Cylinder cast was applied after massive curettage, irrigation and autoiliac bone graft.

(Fig. 4).

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(Fig. 3).

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(Fig. 5). 17

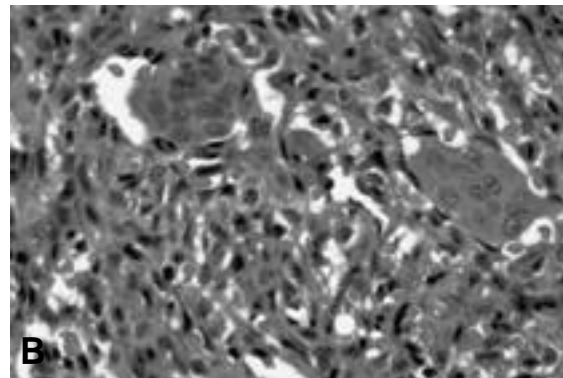
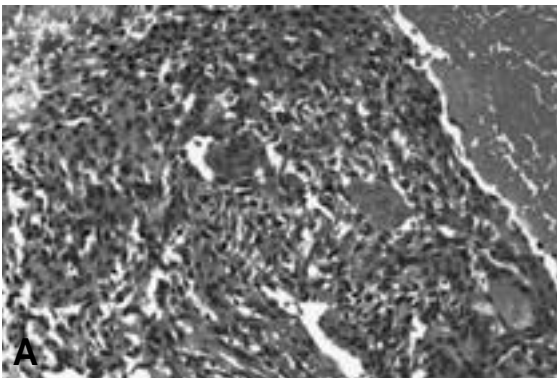


Fig. 4. (A) Microscopic finding(100 ×). Many multinucleated giant cell was noted in a sea of mononuclear stromal cells. (B) Microscopic finding (400 ×). The nuclei of the mononuclear cells are identical to the nuclei of the giant cells. Fibrosis of vessels was not noted.

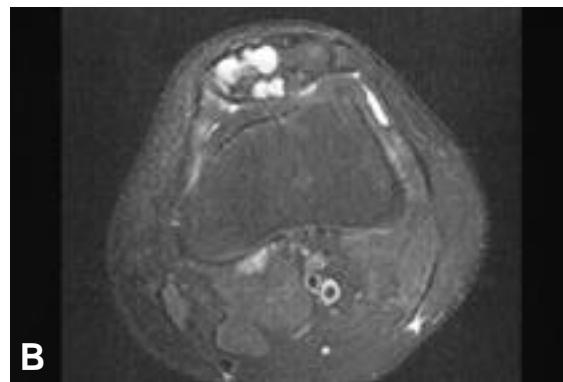


Fig. 5. Magnetic resonance image at a postoperative 8 months. (A) and (B) Multiple fluid-fluid level within mass like lesion was noted at medial aspect of patella. It was hematoma, maybe and there was no evidence of recurrence.

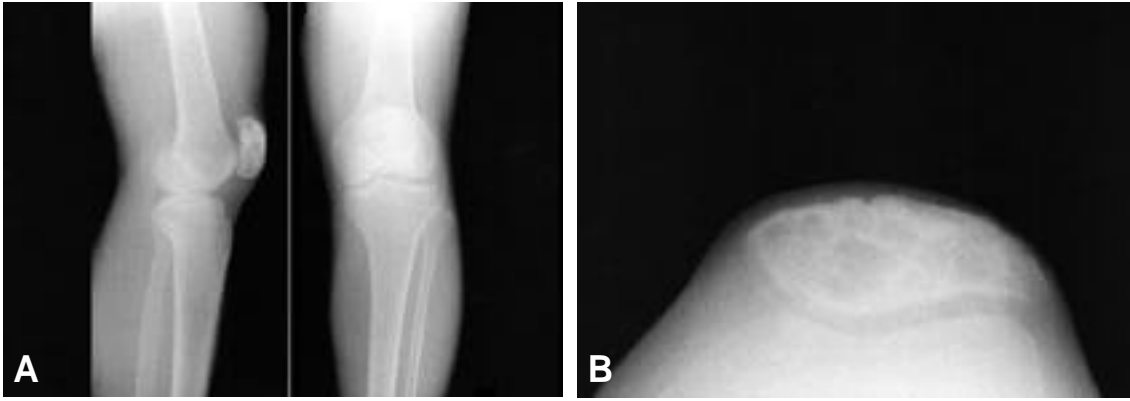


Fig. 6. Plain radiograph at postoperative 17months. (A) and (B) Multiple osteolytic lesion was noted. But cortical disruption was not seen, especially no abnormal finding within knee joint was noted.

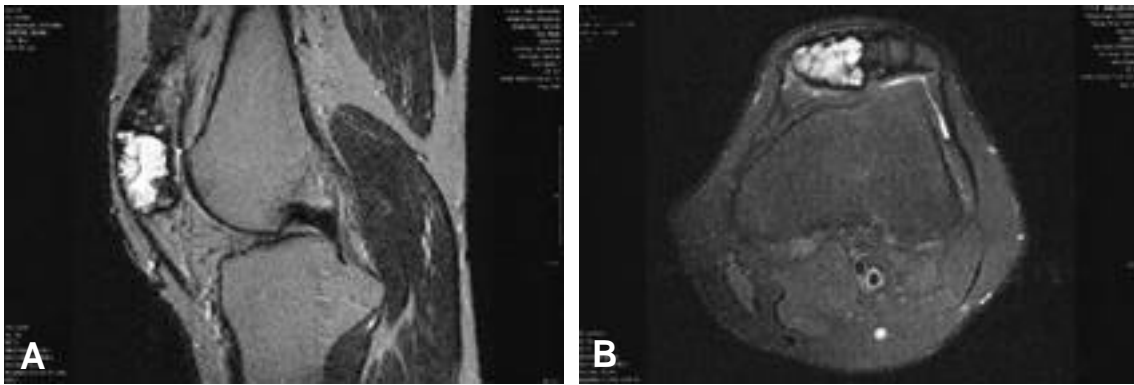


Fig. 7. Magnetic resonance image at a postoperative 17 months. (A) and (B) Multiple fluid-fluid level within mass like lesion was noted at medial aspect of patella and no significant interval change in the appearance on the MRI at a postoperative 8 months was seen.

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Stewart가 Osteoclastoma
Jaffe
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2,3), 50%

(Fig. 6).

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(Fig. 7).

1818 Cooper Travers가
1910 Bloodgood가

Benign Giant Cell Tumor . 1922

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Campanacci classification Enneking classification
 Campanacci classification

grade 1
 , grade 2
 , grade 3

Enneking classification stage 1
 , stage 2

stage 3
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 stage 3

1,2 stage 3
 15% ~ 60%
 high velocity

burr drill
 80%
 3

가
 3 mm 5 mm

Johnson¹⁾ 가 가
 Jaffe 15%, Schajowicz
 Goldenberg 10% Dahlin 8.7%

Enneking classification Jaffe 가
 15% Goldenberg 7% Shifrin 10 ~ 15%
 가 25%
 Enneking stage 2

가 가

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Abstract

Giant Cell Tumor of the Patella

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The giant cell tumor comprises approximately 5% of all bone tumors especially in the long tubular bones, particularly in proximity to the epiphysis. A rare case of giant cell tumor involving the patella was recently experienced by authors. Case summary with brief review of reference is presented.

Key Words: Patella, Giant cell tumor

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