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. 20 가

1

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(Fig. 1)

50% 가 가

가 가 882 U/L 가

1% 가 (Fig. 2)

3). T1

1 - , T2

가 , 가

4.7x5.6x4.4 cm

가

. PET

20 ,

5 ,

(Fig. 4)

Enneking stage IIB

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: 5

adriamycin cisplatin

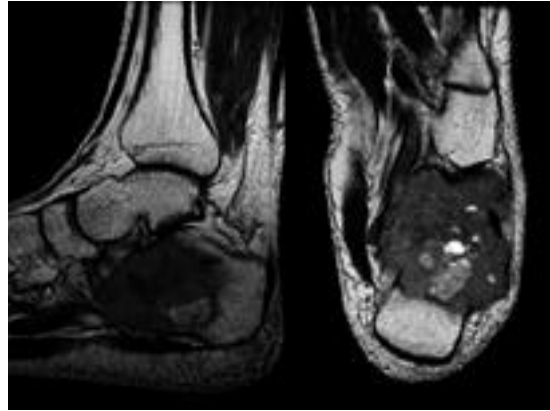
50% 가

2). Berlin 1) 67,000

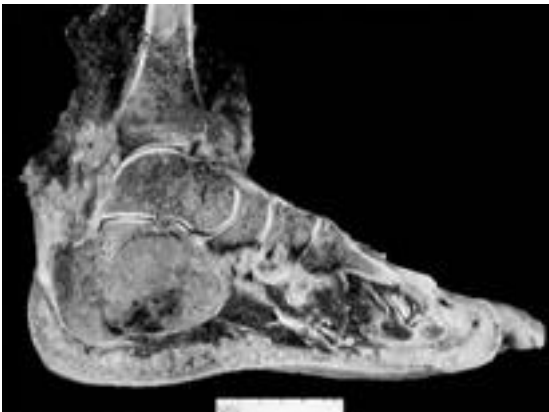
1% , Wu  
0.2~2%  
Choong 4)  
52 53%가  
3)  
1 가  
가



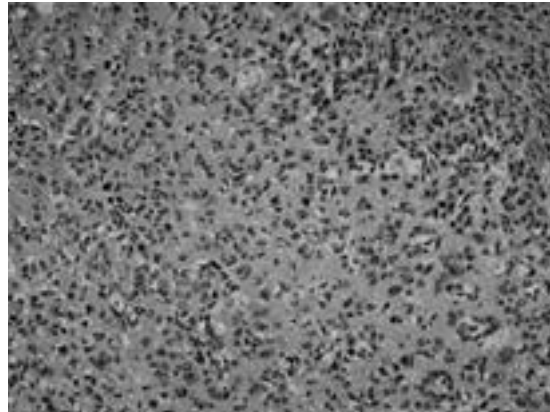
**Fig. 1.** The radiograph of the foot shows a ill-defined osteolytic destruction in anterior and mid portion of the calcaneus. The coarse bony trabeculation is noted in the remaining portion.



**Fig. 2.** T1 weighted MR images show intermediate signal intensity mass in anterior and mid portion of the calcaneus. In axial view, lateral cortex of the calcaneus is broken and the mass is extending medial and lateral side. The tumor has a heterogenous intermediate signal intensity with a high signal intensity in the center implying calcification.



**Fig. 3.** Gross specimen shows the wide resection of the tumor in anterior and mid portion of calcaneus. The tumor had a necrotic portion at its center.



**Fig. 4.** Histologic feature shows a high grade osteosarcoma, showing a malignant tumor cells with a malignant tumor osteoid (× 200, HE stain).

가 5<sup>6)</sup>

. Potter<sup>8)</sup>

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9) 가

Chou<sup>6)</sup> endoprothesis

IIB Enneking

가

6)

cm 가 5

3 cm 7)

3/4 Enneking

IIB

5 cm

**Osteosarcoma of the Calcaneus  
- A Case Report -**

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Osteosarcoma is mainly developing around the knee joint. But osteosarcoma of the calcaneus is rare. A 20 year old male patient visited our clinic due to persistent pain around the calcaneus. We diagnosed it to osteosarcoma of the calcaneus and treated with below knee amputation and adjuvant chemotherapy. We experienced a case of osteosarcoma of the calcaneus and would like to report it with review of literatures.

**Key Words:** Calcaneus, Osteosarcoma, Amputation, Adjuvant chemotherapy

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