

## **The use of FDG or choline-PET in the evaluation of ameloblastoma with maxilla**

M.Izumisawa, T.Takahashi, K.Terasaki<sup>\*1</sup>, H.Sato, S.Shoji, M.Hoshino, D.Kondo and M.Shozushima

Department of Dental Radiology, School of Dentistry, Iwate Medical University  
19-1 Uchimaru, Morioka, Iwate 020-8505

<sup>\*1</sup> Cyclotron Research Center, Iwate Medical University  
348-58 Tomegamori, Takizawa, Iwate 020-0173

### **Abstract**

In the present study, we performed FDG and <sup>11</sup>C-choline PET to diagnose 2 types of ameloblastoma. In the malignant case of ameloblastoma, high uptake of the both FDG and <sup>11</sup>C-choline were observed in a maxilla region. The benign case of ameloblastoma revealed high uptake in FDG and low uptake in <sup>11</sup>C-choline. <sup>11</sup>C-choline-PET appears to be useful in the diagnosis of ameloblastoma.