

## **Detection and evaluation of lung cancer by 18-FDG-PET using Shimadzu Headtome IV, especially in cases which were difficult to get specimens for histopathology**

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### **Abstract**

We analyzed 4cases of primary lung cancer with 18-FDG-PET using Shimadzu Headtome IV. Two cases which were difficult in hitting a forceps to the tumor, because of the location, 18-FDG-PET was very useful to make a decision. In two cases of lobectomy, clinical staging using 18-FDG-PET agreed with post operation staging. 18-FDG-PET, using Shimadzu Headtome IV, was regarded as a useful tool to detect and evaluate lung cancer, especially in cases which have old inflammatory changes in their lungs in elderly.