

## **Usefulness of $^{18}\text{F}$ FDG-PET in assessing the therapeutic effects of intraarterial concurrent chemoradiotherapy for head and neck cancer**

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### **Abstract**

The present study investigated the usefulness of  $^{18}\text{F}$ FDG-PET in assessing the therapeutic effects of intraarterial concurrent chemoradiotherapy for head and neck cancer. Subjects were 3 patients in whom intraarterial concurrent chemoradiotherapy was performed at our hospital, after which  $^{18}\text{F}$ FDG-PET was conducted in order to assess the therapeutic effects. Therapeutic effects were assessed in terms of tumor radioactivity at 40-50 and 50-60 minutes after  $^{18}\text{F}$ FDG administration in relation to the administered  $^{18}\text{F}$ FDG dosage. The results of the present study suggest that  $^{18}\text{F}$ FDG-PET is useful in assessing the therapeutic effects of intraarterial concurrent chemoradiotherapy.