Usefulness of $^{18}\text{FDG}$-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 $^{18}\text{FDG}$-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 $^{18}\text{FDG}$-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 $^{18}\text{FDG}$ administration in relation to the administered $^{18}\text{FDG}$ dosage. The results of the present study suggest that $^{18}\text{FDG}$-PET is useful in assessing the therapeutic effects of intraarterial concurrent chemoradiotherapy.