

## **Analysis of trace elements in squamous cell carcinoma of the tongue**

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### **Abstract**

In order to conserve function and morphology, we have been treating oral cancer with combined intraarterial chemotherapy and radiation therapy. To evaluate the efficacy of this combination therapy, the concentration of anticancer agents in cancer tissue was determined using the PIXE method by measuring Pt in CDDP, and the results are reported here. The results of past studies have demonstrated differences in trace elements between normal and cancer tissues, thus suggesting the involvement of trace elements in oral cancer. In the present study, based on previously reported results, we conducted a comparison study by analyzing trace elements in tongue cancer tissue prior to therapy.