

The Thirteen-year Evaluation of Mass Screening of Oral Cancer in Iizuka district, Fukuoka Prefecture; 2000-2012

Hiroko FUKUDA ¹⁾, Toshihiro KIKUTA ¹⁾, Jinichi FUKUDA ²⁾,
Bording Members of Iizuka Dental Association ³⁾

¹⁾ *Department of Oral and Maxillofacial Surgery, School of Medicine, Faculty of Medicine, Fukuoka University*

²⁾ *Emeritus Professor, Kyushu Dental University*

³⁾ *Iizuka Dental Association*

Abstract

Early detection and rapid cure of oral cancer is considered to improve the quality of life and chance of survival for the patients because the function and the appearance were damaged by the surgical treatments in advanced stage of oral cancer.

As the effective method of early detection, the mass screenings of oral cancer for the residents in Iizuka district, Fukuoka Prefecture was initiated by Iizuka Dental Association in 1991 cooperated with the regional administrations.

We evaluated the outcomes of age, sex, past mass-screening records, reasons of consultations, results of diagnosis, a family history of cancer, an appliance of denture, smoking habit, and drinking habit from 2000 to 2012 fiscal year.

Total number of participants was 3,248, and the annual number of participants was proportional to the frequency of the mass-screening. The male to female ratio was 1 to 2.85, which were 843 males and 2,405 females. The age distribution shows that the over 50's accounts for 90% of all consultations and the peak shows 28.1% in 60's female.

The major reasons for the consultations showed 28.0% of oral discomfort and 26.2% of the health maintenance. 1090 lesions were diagnosed; 31.9% of oral mucosal disease, 19.6% of neoplastic disease, 13.9% of neurogenic disease, inflammatory disease, and below 5% each of some other diseases.

In this mass screening of oral cancer in Iizuka district, the cases of precancerous lesion and lesions suspected of being cancerous were detected and accurately ordered the medical consultations and examinations.

We conclude that the mass screening of oral cancer would promote the good chance of early detection of oral mucosal diseases, precancerous lesion and suspected of being cancerous as well as the increase in self-awareness of oral cancer in the local residents.

Key words: Oral cancer, Mass Screening, Iizuka district