

# Oral Health Promotion

## 1. Staffs and Students (April,2009)

Professor	Yoko KAWAGUCHI	
Junior Associate Professor	Kayoko SHINADA	
Assistant Professor	Masayuki UENO	
Hospital Staff	Tomohito YANAGISAWA(until March)	
	Yuriko YASUKAWA(from April)	
Graduate Student	Aki KANAYAMA(until March),	
	Ryoko ITO,	Sayaka YOKOYAMA(until March),
	Chisato KONISHI,	Mari OHNUKI,
	Takashi ZAITSU,	Pham Anh Vu THUY,
	Patcharaphol SAMNIENG,	Akiko OHSHIRO,
	Susumu TAKEUCHI,	Melissa ADIATMAN,
	Yukiko FUJISHIRO(from April)	
Research Student	Motoko ARIAKE,	Sachiko TAKEHARA

## 2. Purpose of Education

### 1) Graduate School, Oral Health Promotion

The educational purpose is to foster professionals in dental public health and preventive dentistry who can think oral health problems as related issues with living environment, life style, health policy and social condition, and can conduct innovative, academic and international research on oral health for maintaining and improving oral health.

### 2) Graduate School, International Oral Health Cooperation

The educational purpose is to foster dental professionals who can conduct innovative, academic and international research that can contribute to health promotion in an international society, and can work as a leader of the international health cooperation.

### 3) Undergraduate Education

The department is in charge of module units of "Introduction to dentistry", "Environment and society II" and "Comprehensive problem exercise" for the third year dental students, and module units of "Basis for dentistry", "Prevention and health management I", "Prevention and health management II" and "Dentistry and nutrition" for the fourth year dental students. The department is also in charge of "Experiential research exercise" for the fourth year dental students, and "Comprehensive clinical practice phase I & II" for the fourth and fifth year dental students, in cooperation with other departments.

## 3. Research Subjects

Research topics are innovative, academic and international research in the field of dental public health and preventive dentistry to proceed with oral health promotion that contributes to human health. The current main research themes are:

1. Epidemiology and prevention of dental disease
2. Oral health care system
3. Relationship between oral health and general health
4. Oral health promotion
5. Diagnosis and treatment system construction of oral malodor
6. International oral health

## 4. Clinical Services

"Fresh breath clinic" in Dental hospital, Tokyo Medical and Dental University is a special clinic for diagnosis, treatment and prevention of oral malodor. About half of oral malodor patients are referred from other departments in the dental hospital or outside dental clinics. Other patients visit the clinic by finding the information of the clinic from mass media such as the internet, newspapers and television.

For oral malodor examination, gas chromatography and gas sensor instrument are used to measure the concentration of volatile sulfur compounds (VSCs) along with the organoleptic test. Oral malodor is treated based on diagnosis by precise measurement and oral examination, besides psychological aspects of the patient are paid attention. Treatment of oral malodor needs continuous periodontal disease management and oral care in cooperation with oral care department in the

dental hospital and patient' s family dentist.

## 5. Publications

### Original article

1. B. Jigid, M. Ueno, K. Shinada and Y. Kawaguchi: Early childhood caries and related risk factors in Mongolian children, *Community Dental Health*,26,121-128,2009
2. Masayuki Ueno, Tomohito Yanagisawa, Kayoko Shinada, Satoko Ohara, Yoko Kawaguchi: Category of functional tooth units in relation to the number of teeth and masticatory ability in Japanese adults, *Clinical Oral Investigation*, 14(1),113-119,2009
3. T Yanagisawa, T Marugame, S Ohara, M Inoue, S Tsugane, Y Kawaguchi : Relationship of smoking and smoking cessation with number of teeth present: JPHC Oral Health Study, *Oral Disease*,15(1),69-75,2009
4. Chiyoko Hakuta, Chisato Konishi, Masayuki Ueno, Kayoko Shinada and Yoko Kawaguchi: Evaluation of an oral function promotion programme for the independent elderly in Japan, *Gerodontology*,26(4),250-258,2009
5. Chisato Konishi, Chiyoko Hakuta, Masayuki Ueno, Kayoko Shinada, Fredrick A. C. Wright and Yoko Kawaguchi: Factors associated with self-assessed oral health in the Japanese independent elderly, *Gerodontology*,27(1),53-61,2009
6. Yanagisawa T, Ueno M, Shinada K, Ohara S, Wright FA, Kawaguchi Y: Relationship of smoking and smoking cessation with oral health status in Japanese men : *Journal of periodontal research*, 45(2),277-283,2009