

Oral Health Promotion

1. Staffs and Students (April,2010)

Professor	Yoko KAWAGUCHI	
Associate Professor	Kayoko Shinada (April ~September)	
	Masayuki Ueno (September~)	
Junior Associate Professor	Kayoko Shinada (~March)	
Assistant Professor	Masayuki Ueno (~August)	
Hospital Staff	Yuriko Yasukawa	
Graduate Student	Ryoko Ito (~March), Mari Ohnuki, Pham Anh Vu Thuy, Akiko Ohshiro, Melissa Adiatman, Toshihiro Tamaki, Ayumi Takayama,	Chisato Konishi (~March), Takashi Zaitso, Patcharaphol Samieng, Susumu Takeuchi, Yukiko Fujishiro, Yuuya Mizuno, Mustafa Ali Mahmoud Abdel Latif Nimer(October~)
Research Student	Motoko Ariake,	Sachiko Takehara(~March)

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. 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 – 61,2010
2. 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 , 2010
3. Shinada K, Ueno M, Konishi C, Takehara S, Yokoyama S, Zaitso T, Ohnuki M, Wright FA, Kawaguchi Y :Effects of a mouthwash with chlorine dioxide on oral malodor and salivary bacteria: a randomized placebo-controlled 7 day trial. *Trials*, 12, 11:14, 2010
4. Ueno M, Takeuchi S, Oshiro A, Shinada K, Ohara S, Kawaguchi Y: Association between diabetes mellitus and oral health status in Japanese adults, *International Journal of Oral Science*, 2:82-89, 2010.
5. Yokoyama S, Ohnuki M, Shinada K, Ueno M, Wright FAC, Kawaguchi Y: Oral malodor and related factors in Japanese senior high school students, *Journal of School Health*, 80:346-352, 2010.
6. Takehara S, Yanagishita M, Podyma-Inoue KA, Ueno M, Shinada K, Kawaguchi Y: Relationship between oral malodor and glycosylated salivary proteins, *J Med Dental Sci*, 57:25-33, 2010.
7. Yanagisawa T, Ueno M, Shinada K, Ohara S, Wright FAC, Kawaguchi Y: Validity of self-reported masticatory function in a Japanese population, *Journal of Dental Health*, 60:214-223, 2010.
8. Thuy AV Pham, Takashi Zaitso, Masayuki Ueno, Kayoko Shinada, Khanh D Ngo, Phuong H Lam, FA Clive Wright, Yoko Kawaguchi: Oral Malodor and Related Factors among Vietnamese Dental Patients, *International Journal of Clinical Preventive Dentistry*, 6(2):63-71, 2010
9. Masayuki Ueno, Takashi Zaitso, Kayoko Shinada, Satoko Ohara, Yoko Kawaguchi: Validity of self-reported number of natural teeth in Japanese adults, *J Invest Clin Dent*,1, 79-84, 2010,
10. Ueno M, Yanagisawa T, Shinada K, Ohara S, Kawaguchi Y: Category of functional tooth units in relation to the number of teeth and masticatory ability in Japanese adults. *Clin Oral Invest*, 14:113-119, 2010.
11. Zaitso T, Ueno M, Shinada K, Ohara S, Wright FAC, Kawaguchi Y: Association of clinical oral health status and self-rated oral health and GOHAI in Japanese adults, *Community Dent Health*, in press
12. Pham Anh Vu Thuy, Masayuki Ueno, Kayoko Shinada, Tomohito Yanagisawa, Fredrick Allan Clive Wright and Yoko Kawaguchi: Periodontal Disease and Related Factors among Vietnamese Dental Patients, *Oral Health and Preventive Dentistry*, in press
13. P. Samnieng, M. Ueno, K.Shinada, T. Zaitso, F.A.C. Wright,Y. Kawaguchi : Association of hyposalivation with oral function, nutrition and oral health in community-dwelling elderly Thai, *Community Dental Health*, in press

Books

1. Ueno Masayuki, Yoko Kawaguchi, “Principles and Activities of Oral Health Promotion in Asian Countries”, Takashi Muto, Toshitaka Nakahara, Eun Woo Nam ed: *Asian Perspectives and Evidence on Health Promotion and Education*, SpringerLink, 2010.