

ANNUAL PUBLICATIONS

Department of Preventive Dentistry

1993.1.-2000.3.

I. Staffs and Students (April, 1999)

Associate Professor	Norio SHIMURA
Lecturer	Kayo TERAOKA
Research Associate	Yasuo HIRAYAMA
	Satoko OHARA
	Yoshiyuki SASAKI
	Kayoko SHINADA
Clinical Staff	Masami MURANO
Resident	Rina YAMADA
Secretary	Bunjo RYO
Postgraduate Student	Yuichi OISHI
	Takanobu HATAKEYAMA
	Lina Naomi HASHIZUME
	Khristine Marie Gatchalian Carinö
Special Course Student	Motohiko NARUTO
	Michiko TAKAOKA
	Motoko ARIAKE
	Yuki KUWAHARA

II. Educational Outline of Graduate Course

The students are trained to understand the philosophy and need for preventive dentistry by developing the students' concept of self-motivation, knowledge of dental diseases and abnormalities, application of the principles of fluoridation, nutrition, patient and home care. Skills are developed for effective oral hygiene with reference to disclosing agents, tooth brushing, flossing, oral physiotherapy aids and topical fluorides.

Likewise, students develop knowledge, skills and personal qualities necessary for effective interpersonal communication in the dental setting. These cover interviewing and history-taking skills, non-verbal cues, patient anxiety reduction and psychological aspects of patient care.

III. Research Subjects

- 1) Clinical studies and trials on adaptive mechanism of human mind and body
- 2) Study of Qualitative Change from Health Promotion to Health Creativity through the School Dental Service and the Health Creation through the adult dental health service
- 3) Studies on dental health of the elderly
- 4) Studies on Maternal and Children Dental Health
- 5) Studies on dental and denture plaque
- 6) Studies on Dental Caries and Prevention in Experimental Animals

IV. Publications (January, 1993-March, 2000)

A. Original Articles

- 1) Hirose Y., Sasaki Y., Kinoshita A. and Minakuchi S.: Establishment of the Formulation for the Problem-Goal-Solution Process, Journal of Medical Informatics, Japan, 17:(3)185-192,1997. (in Japanese)
- 2) Ishikawa I., Sugiyama E., Kinoshita A., Sasaki Y., Ohno J., Yano K., Aramaki M., Iida M., Oda S., Hagiwara S. and Watanabe H.: Nine-Year Change in the Periodontal Condition of Employees at Two Banks Assessed by CPITN, Journal of the Japanese Society of Periodontology, 36:254-260,1994. (in Japanese)
- 3) Isobe T., Shimoyama K., Uematsu H., Teraoka K.: Study of Health Awareness of Home Helper for Dependent Elderly, The Journal of the Stomatological Society, 67:(1)38-45,2000. (in Japanese)
- 4) Kato H., Takeuchi H., Oishi Y., Senpuku H., Shimura N., Hanada N. and Nisizawa T.: The immunogenicity of various peptide antigens inducing cross-reacting antibodies to a cell surface protein antigen of Streptococcus mutans, Oral Microbiology and

- Immunology, 14:213-219,1999.
- 5) Kawaguchi Y., Ohara S., Sasaki Y., Hirayama Y. and Yonemitsu M.: Comparative Study on Oral Health Status of Three Ethnic Groups of Schoolchildren in Japan and Korea, *Journal of Dental Health*, 47:(5)675-682,1997. (in Japanese)
 - 6) Kawaguchi Y., Sasaki Y., Hirayama Y., Handa K., Yonemitsu M. and Shin S.: Study on the Oral Health Status of Schoolchildren in Korea, *The Journal of The Stomatological Society*, 60:(2)288-295,1993. (in Japanese)
 - 7) Kawaguchi Y., Shimura N., Kawamura M., Tsurumoto A. and F. A. C. Wright: Dental health service system in Australia (I). *The Nippon Dental Review*, No.647:177-188,1996. (in Japanese)
 - 8) Kawaguchi Y., Shimura N., Kawamura M., Tsurumoto A. and F. A. C. Wright: Dental health service system in Australia (II). *The Nippon Dental Review*, No.648:193-204,1996. (in Japanese)
 - 9) Kuboki Y., Kanehira T., Teraoka K., Tani H.: Separation of *Streptococcus mutans* MT8148 by Hydroxyapatite Column Chromatography, a New Evaluation of Bacterial Adhesion, *Jap. J. of Oral Biol.*, 36:(1)1-8,1994.
 - 10) Kubota K., Hollist N. O., Olusile A. O., Yonemitsu M., Minakuchi S., Watababe H., Ohsawa K., Ohnishi M., Ono Y., Ajayi-Obe S. and Grillo T. I.: Joint epidemiological longitudinal dental survey in Nigeria, especially in comparison with that of Japanese. *Bull. of Tokyo Med. and Dent. Univ.* 40:(1)59-78,1993.
 - 11) Kubota K., Hollist N. O., Olusile A. O., Yonemitsu M., Minakuchi S., Watanabe H., Ohnishi M., Ohsawa K., Ono Y., Ajayi-Obe S. O. and Grillo T. A. I.: The time-related social and economic factors of dental health from a longitudinal dental survey in Nigeria. *J. Masticat. & Health Soc.*, 3:(1)27-35,1993. (in Japanese)
 - 12) Kumagai S., Shibata H., Watanabe S., Suzuki T., Haga H., Osada H. and Teraoka K.: An Intervention Trial to Postpone Aging in Competent Elderly Trial on Nutritional Improvement in the Retirement Home, *Japanese Journal of Public Health*, 46:(11)1003-1011,1999. (in Japanese)
 - 13) Matak S., Kawaguchi Y., Teraoka K., Shimura N., Shimizu C. and Kurosaki N.: Medical Interview with Simulated Patients at Bihavioral Science in Dentistry, *The Journal of the Stomatological Society*, 65:(3)334-338,1998. (in Japanese)
 - 14) Miyatake K., Shimamura I., Kakehashi Y., Sasaki Y., Takiguchi T., Toriyama Y., Ogura M., Ishii T. and Kamijyou H.: Reform the evaluation on dental prosthetic skill regarding the future of dental insurance system, *Japanese Journal of Health Economics and Policy*, 5:31-47,1998. (in Japanese)
 - 15) Moriya T., Inaba D., Someya Y., Shimura N. and Yonemitsu M.: Time-course Changes in Remineralization of Bovine Enamel in vitro, *Journal of Dental Health*, 48:(3)335-341,1998. (in Japanese)
 - 16) Moriya T.: In vitro Remineralization of Bovine Enamel with Various Ca/P Ratios, *Journal of Dental Health*, 49:(1)40-54,1999. (in Japanese)
 - 17) Murano M., Kawaguchi Y., Shinada K., Araki K., Matak S. and Kurosaki N.: Study on Health Status and Health Behavior of Workers at Government Office, *The Journal of the Stomatological Society*, 66:(3)283-291,1999. (in Japanese)
 - 18) Nagai H., Teraoka K., Shibata H., Watanabe S. and Kumagai S.: Relation between "Kizami Diet" and Physical Factors in Special Nursing, *Japanes Journal of Nutrition*, 53:(6)369-376,1995. (in Japanese)
 - 19) Ogawa N., Teraoka K., Shimoyama K., Nagao M.: A Survey of Oral Area Training in Nursing Education Institutions, *Geriatric Dentistry*, 8:(1)29-36,1993. (in Japanese)
 - 20) Oishi Y., Hatakeyama T. and Shimura N.: General adaptability and its implication for dental caries, *Japanese Journal of Psychosomatic Dentistry*, 15:(1)1-11,2000.
 - 21) Shimizu C., Matak S., Kurosaki N., Kawaguchi Y., Teraoka K. and Shimura N.: New Curriculum of Behavioral Dentistry, *The Journal of the Stomatological Society*, 65:(3)319-322,1998. (in Japanese)
 - 22) Shimura N. and Ooichi Y.: The concept of heath and the process of health creation. *Comprehensive Medicine*, 2:(1)81-90,1997.
 - 23) Shimura N., Tsurumoto A. and Sasaki Y. eds.: Health creativity and behavioral dentistry. *Proceeding of First International Symposium of Health Creativity and Behavioral Science on Dentistry*, 1993.
 - 24) Shimura N., Yonemitsu M., Hirayama Y. and Sasaki Y.: The prevention of dental caries by dentifrice containing 5% hydroxyapatite. *J. Dent. Res.* 74:440,1995.
 - 25) Shimura N.: An approach for new dental practice. Real "healing" and its process. *The Nippon Dental Review*, No.625:70-86,1994. (in Japanese)
 - 26) Shimura N.: Caries prevention by acupuncture, *Minzoku Kagaku*, 38:12-16,1993. (in Japanese)
 - 27) Shimura N.: Human Dentistry. Heartful dental service for both doctor and patient. *J. Osaka Dent. Clinics*, 1-20,1996. (in Japanese)
 - 28) Shimura N.: Human dentistry. Understanding human, which is the behavior of love and the process for health creation. 1.Disease view and understanding human. Maldevelopment of mind and present disease., *J. Hokkaido Dent. Soc.*, No.48:13-40,1993. (in Japanese)

- 29) Shimura N.: Why does the human have dental caries? (1) Development of medicine and dentistry and human health. Dental Practice, 8:67-74,1994. (in Japanese)
- 30) Shimura N.: Why does the human have dental caries? (2) Change in disease of present-day people. Dental Practice, 8:113-121,1994. (in Japanese)
- 31) Shimura N.: Why does the human have dental caries? (3) Increase of dental disease and allergic disease. Dental Practice, 8:115-126,1994. (in Japanese)
- 32) Shimura N.: Why does the human have dental caries? (4) Etiology of dental caries (Development of mind and physiology of adaptation). Dental Practice, 9:146-151,1995. (in Japanese)
- 33) Shimura N.: Why does the human have dental caries? (5) Dental service for developing life. Dental Practice, 9:137-148,1995. (in Japanese)
- 34) Shinada K., Hashizume L. N., Teraoka K. and Kurosaki N.: Effect of Ultrasonic Toothbrush on Streptococcus mutans, The Japanese Journal of Conservative Dentistry, 42:(2)410-417,1999. (in Japanese)
- 35) Shinada K., Kondo K., Endo K., Ohara S., Kawaguchi Y. and Kurosaki N.: The Influence of Dental Education on Health Behaviors of the Students, The Journal of Japanese Association for Dental Education, 14:(1)108-113,1998. (in Japanese)
- 36) Shinada K., Ozaki F., J. G. O. Cordeiro, Okada S., Shimoyama K., Nagao M., Ichinose S. and Yamashita Y.: A Morphological Study of Interactions of Candida albicans and Streptococcus mutans, The Journal of the Stomatological Society, 62:(2)281-286,1995. (in Japanese)
- 37) Shinada K., Teraoka K., Asaka T., Ozaki F., Shimoyama K. and Nagao M.: Distribution of Candida species and Mutans Streptococci Related to Oral Conditions in the Elderly, The Journal of the Stomatological Society, 64:(4)512-517,1997. (in Japanese)
- 38) Shinada K., Teraoka K., Shimoyama K., Nagao M.: Distribution of Candida species and Mutans Streptococci Related to Oral Conditions in the Elderly Persons, The Journal of the Stomatological Society, 64:(4)512-517,1993. (in Japanese)
- 39) Takashima T.: Influence of Dietary Fiber on Experimental Dental Caries in Golden Hamsters, Journal of Dental Health, 43:(1)92-103,1993. (in Japanese)
- 40) Teraoka K., Ishikawa M., Shibuya K., Asaka T., Moriya T., Takei N. and Ichihashi T.: The Production of Volatile Sulphur Compounds from the Tongue Coating in the Elderly Needing Assistance, The Journal of Dental Health, 48:(3)261-266,1998. (in Japanese)
- 41) Teraoka K., Shibata H., Watanabe S. and Kumagai S.: Relationship between Masticatory Ability and Physical Condition in the Elderly, The Journal of Geriatric Dentistry, 11:(3)169-173,1997. (in Japanese)
- 42) Teraoka K., Shibata H., Watanabe S., Kumagai S. and Okada S.: Interrelationships between Chewing Ability, Oral Condition and Dietary Attitudes among the Elderly, The Journal Of Geriatric Dentistry, 10:(1)11-17,1995. (in Japanese)
- 43) Teraoka K., Shibata H., Watanabe S., Kumagai S. and Okada S.: Relationship between Masticatory Ability and Physical Activity and Competence in the Elderly, The Journal of Dental Health, 44:(5)653-658,1994. (in Japanese)
- 44) Teraoka K., Shinada K., Asaka T., Moriya T., Oishi Y., Tsutiyu K., Gotoda H. and Oshima Y.: A Longitudinal Cohort Study on the Relation Between Physical Condition and Masticatory Ability in the Elderly, The Journal of the Stomatological Society, 65:(4)376-379,1998. (in Japanese)
- 45) Yonemitsu M., Watanabe H., Minakuchi S., Ono Y., Onishi M., Kubota K. and Sasaki Y.: Epidemiological Study on Distribution of Plaque, Calculus and Gingivitis among Nigerian People, The Journal of The Stomatological Society, 60:565-570,1993. (in Japanese)

B. Books

- 1) Asaka T.: Oral health promotion in the workplace, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.147-158, 1994. (in Japanese)
- 2) Hirayama Y.: Oral health promotion in developing countries, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.1-16, 1994. (in Japanese)
- 3) Hujita M., Shibata H., Teraoka K. and Nagai H.: Nutrition of the Aged People, Hujita M. and Shibata H. eds., Kousekann, Tokyo, 1994. (in Japanese)
- 4) Kawaguchi Y., Wright F. A. C., Tsuruta J., Yamori M., Sato C., Fuangtharntip P., Hashizume L. N. and Cordeiro J. G. O.: Easy to memorize English conversation phrases in dental office, Quintessence Pub. Co., Tokyo, 1997. (in Japanese)
- 5) Kawaguchi Y.: Evaluation and planning of oral health promotion programmes, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.1-16, 1994. (in Japanese)
- 6) Kawaguchi Y.: Prevention of dental diseases, Mannnual for dental clinical practice, Onose H., Kurisaki N., Huruya H, Noma H.,

- Kawazoe A., Nokubi T. and Yokota M., Ishiyaku Shuppan LTD, Tokyo, p.206-211, 1997. (in Japanese)
- 7) Miura Y. and Adachi T.: The history of dental health education: a case study of Britain, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.1-16, 1994. (in Japanese)
 - 8) Nomura A.: General dental practice, health education, and health promotion: a critical reappraisal, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.119-130, 1994. (in Japanese)
 - 9) Ohara S.: Oral health promotion with children and adolescents, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.131-146, 1994. (in Japanese)
 - 10) Sasaki Y.: Theories and models of health behaviour, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.17-50, 1994. (in Japanese)
 - 11) Shimura N. and Kubota Y.: Can you relieve the pain from patient?, The Quintessence, Tokyo, 1986. (in Japanese)
 - 12) Shimura N. and Yamasaki K.: Medical service in 21st century. Seishinshobo, Tokyo, 1991. (in Japanese)
 - 13) Shimura N., Tsurumoto A. and Sasaki Y.: Health creativity and behavioral dentistry. Uniteku, Tokyo, 1993.
 - 14) Shimura N.: "Tooth brushing" disease is fearfuller than periodontal disease. Adoa-shuppan, Tokyo, 1995. (in Japanese)
 - 15) Shimura N.: Can dentist treat dental caries?, Sogensha, Tokyo, 1997. (in Japanese)
 - 16) Shimura N.: National campaigns, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.113-118, 1994. (in Japanese)
 - 17) Shimura N.: The reason not to prevent dental caries in dental practice. Kodansha, Tokyo, 1992. (in Japanese)
 - 18) Shimura N.: Tooth brushing and human. The Quintessence, Tokyo, 1995. (in Japanese)
 - 19) Shinada K.: The role of the decision maker in oral health promotion, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.79-92, 1994. (in Japanese)
 - 20) Takashima T. and Tsuchiya K.: The role of oral health promotion in oral health policy, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.93-112, 1994. (in Japanese)
 - 21) Yonemitsu M., Shinada K., Ohara S., Nomura A., Hirayama Y. and Teraoka K.: Oral health promotion in old age, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.1-16, 1994. (in Japanese)
 - 22) Yonemitsu M.: Social factors in oral health promotion, Oral Health Promotion-Health strategy for 21 century, Okada S., Kawaguchi Y. and Nakamura C. eds., Oral Health Association, Tokyo, p.51-78, 1994. (in Japanese)

C. Review Articles

- 1) Igarashi K., Ohyama A., Sasaki Y., Teraoka K., Toyoshima Y., Nomura Y., Hanasaki Y. and Yamada R.: Evidence-based approach on deciding period about initial caries treatment, Dental Outlook, 95:(1)56-64,2000. (in Japanese)
- 2) Igarashi K., Ohyama A., Sasaki Y., Teraoka K., Toyoshima Y., Nomura Y., Hanasaki Y. and Yamada R.: Terminology and URL list on EBM, Dental Outlook, 95:(1)91-93,2000. (in Japanese)
- 3) Kubota K., Yonemitsu M., Watanabe H., Minakuchi S., Ohnishi M., Ohsawa K., Ono Y., Hollist N. O., Olusile A. O., Ajayi-Obe S. O. and Grillo T. A. I.: A time-background of the dental diseases viewed from the longitudinal dental survey in Nigeria. Dental Outlook, 81:(3)597-609,1993. (in Japanese)
- 4) Kubota K., Yonemitsu M., Watanabe H., Minakuchi S., Ohnishi M., Ohsawa K., Ono Y., Hollist N. O., Olusile A. O., Ajayi-Obe S. O. and Grillo T. A. I.: A time- background of the dental diseases viewed from the longitudinal dental survey in Nigeria. ,Dental Outlook, 81:(4)849-863,1993. (in Japanese)
- 5) Kubota K., Yonemitsu M., Watanabe H., Minakuchi S., Ohnishi M., Ohsawa K., Ono Y., Hollist N. O., Olusile A. O., Ajayi-Obe S. O. and Grillo T. A. I.: A time-background of the dental diseases viewed from the longitudinal dental survey in Nigeria. ,Dental Outlook, 81:(5)1087-1097,1993. (in Japanese)
- 6) Sasaki Y.: Communication training for self-consciousness and health guidance 1, Dental Hygienist, 20:(1)58-62,1996. (in Japanese)
- 7) Sasaki Y.: Communication training for self-consciousness and health guidance 2, Dental Hygienist, 20:(2)38-43,1996. (in Japanese)
- 8) Sasaki Y.: Communication training for self-consciousness and health guidance 3, Dental Hygienist, 20:(3)52-57,1996. (in Japanese)
- 9) Sasaki Y.: Communication training for self-consciousness and health guidance 4, Dental Hygienist, 20:(4)40-46,1996. (in Japanese)
- 10) Shimura N.: Creation of health. The Mainichi News Paper, Nov.1993- April 1994. (in Japanese)