

ANNUAL PUBLICATIONS

Department of Pedodontics

1993.1.-2000.3.

I. Staffs and Students (April, 1999)

Professor	Yuzo Takagi		
Lecturer	Masaaki Ishikawa	Yoshiaki Ono	
Research assistant	Mitsuro Tanaka	Zenzo Miwa	Yoshiaki Hashimoto
	Junji Kato	Hideyo Iijima	
Graduate Student	Yumiko Nakano	Yuko Matsunaga	Noriko Ohma
	Pornpoj Fuangtharnthip (Thailand)		Tomohiro Yamazoe
	Miki Saito	Jayanetti Asiri Jayawarudena (Sri Lanka)	
	Busayarat Linsuwanont (Thailand)		
	Luciana Silva de Melo (Brazil)		
	Nai-Cha Teng (Taiwan)	Hassan Sami Oueis (Syria)	
	Daiki Sato	Mariko Sena	Makiko Terasawa
	Ana Angelova (Macedonia)		
Hospital staff	Michiyo Miyashin	Hisako Katano	Makoto Saito
	Kayoko Moriya	Miho Ebashi	Minako Masuda
	Tomoaki Kikyo	Haruko Fujita	
Special Student	Hanae Kanazawa	Takako Kimura	Akiko Aoki
	Reiko Ogata	Alejandra Hamada (Argentina)	
	Kanae Nakamura	Yuko Matsumura	Mina Iizuka
	Eri Yamazaki		
Clinical training staff	Chiho Kubota	Kawori Sasa	Seiko Miura
	Keiko Ohno	Hisako Kurosaki	Masahiro Murakami
	Terumi Iwasaki	Chika Nagao	
	Naoko Hiroshige	Mizuho Motegi	
Secretary	Taeko Abe		

II. Educational Outline of Graduate Course

For the graduate students, the Department of Pediatric Dentistry offers four years program at the level of Doctor of Dental Science. The objective of this program is to educate and train students to become specialists of research, education and clinical practice in pediatric dentistry. The students are educated to get advanced knowledge on pediatric dentistry and related subjects, and are required to complete the post-graduate clinical training program for pediatric dentistry. The students are also required to carry out and complete at least one original research project under the direction of their supervisors, and at least one related paper should be published in a scientific journal during this four year program. The graduates are expected to be future leaders in the field of pediatric dentistry.

III. Research Subjects

- 1) Studies on the growth and development of the maxillofacial cranium and the dentition
- 2) Studies on the stomatognathic function of children
- 3) Studies on the development and developmental disturbance of the teeth
- 4) Development of the new materials for endodontic treatments of deciduous and immature permanent teeth
- 5) Basic researches on clinical pediatric dentistry

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

A. Original Articles

- 1) Otani H., Nonaka K., Indiatry I.K., Nakata M., Kamiyama K., Ono H., Sobue S., Nagasaka N., Ogura T., Deng H., Shi S.Z., Liu D.W., Wei S.H.Y., Saito T., Ishikawa M., Takei T., Amano H., Nobuke H., Shiono K., Shimizu H., Wang H., Zhang Y., Dong J.H., Hu D.Y., Chan J.C.Y. and Tong L.S.M.: The size of teeth and dental arches in Chinese children. Jpn. J. Ped. Dent. 31(3): 510-526, 1993 (in Japanese).

- 2) Nonaka K., Otani H., Sasaki Y., Nakata M., Kamiyama K., Ono H., Sobue S., Nagasaka N., Ogura T., Deng H., Shi S.Z., Liu D.W., Wei S.H.Y., Saito T., Ishikawa M., Takei T., Amano H., Nobuke H., Shiono K., Shimizu H., Wang H., Zhang Y., Dong J.H., Hu D.Y., Chan J.C.Y. and Tong L.S.M.: A study on the condition of the dental arch and malocclusion in Chinese children. *Jpn. J. Ped. Dent.* 31(3): 527-535, 1993 (in Japanese).
- 3) Amano H., Nobuke H., Nagasaka N., Kamiyama K., Ono H., Sobue S., Nakata M., Ogura T., Deng H., Shi S.Z., Liu D.W., Wei S.H.Y., Saito T., Ishikawa M., Takei T., Nonaka K., Otani H., Shiono K., Shimizu H., Wang H., Zhang Y., Dong J.H., Hu D.Y., Chan J.C.Y. and Tong L.S.M.: A study on the dental diseases and features of Chinese children -Daily feeding habits and environmental factors among Chinese children-. *Jpn. J. Ped. Dent.* 31(4): 606-640, 1993 (in Japanese).
- 4) Amano H., Nobuke H., Nagasaka N., Kamiyama K., Ono H., Sobue S., Nakata M., Ogura T., Deng H., Shi S.Z., Liu D.W., Wei S.H.Y., Saito T., Ishikawa M., Takei T., Nonaka K., Otani H., Shiono K., Shimizu H., Wang H., Zhang Y., Dong J.H., Hu D.Y., Chan J.C.Y. and Tong L.S.M.: A study on the dental diseases and features of Chinese children -General and oral findings-. *Jpn. J. Ped. Dent.* 31(4): 641-656, 1993 (in Japanese).
- 5) Ishikawa M., Kimura O. and Takagi Y.: A longitudinal study of a case with rootless teeth in the entire dentition. *Jpn. J. Ped. Dent.* 31(5): 949-957, 1993 (in Japanese).
- 6) Yonemitsu M., Watanabe H., Minakuchi S., Ono Y., Ohnishi M., Kubota K. and Sasaki Y.: An epidemiological study of the distribution of dental plaque, dental calculus and gingivitis of nigerians. *J. Stomatol. Soc., Jpn.* 60: 565-570, 1993 (in Japanese).
- 7) Lin Y.F.: Study on morphology of mandibular corpus and ramus influencing the eruption of mandibular first permanent molar. *Bull. Tokyo Med. Dent. Univ.* 40 : 17-28, 1993.
- 8) Kubota K., Hollist H., Olusile A. O., Yonemitsu M., Ono Y., et. al.: Joint epidemiological longitudinal dental survey in Nigeria, especially in comparison with that of Japanese. *Bull. Tokyo Med. Dent. Univ.* 40: 59-78, 1993.
- 9) Okamura T., Shimokawa H., Takagi Y., Ono H. and Sasaki S.: Detection of collagenase mRNA in odontoclasts of bovine root-resorbing tissue by in situ hybridization. *Calcified Tissue Int.* 52: 325-330, 1993.
- 10) Saito T., Kamiyama K., Nakata M., Ono H., Sobue S., Nagasaka N., Ogura T., Deng H., Shi S., Liu D.W., Wei S.H.Y., Ishikawa M., Takei T., Amano H., Nobuke H., Nonaka K., Otani H., Shiono K., Shimizu H., Wang H., Zhang Y., Dong J.H., Hu D.Y., Chan J.C.Y. and Tong L.S.M.: Dental caries prevalence of Chinese children in Beijing, Leshan and Hong Kong. Part2: dft and DFT rate by tooth (and tooth surface) type. *Ped. Dent. J.* 3(1): 17-29, 1993.
- 11) Saito T., Kamiyama K., Nakata M., Ono H., Sobue S., Nagasaka N., Ogura T., Deng H., Shi S., Liu D.W., Wei S.H.Y., Ishikawa M., Takei T., Amano H., Nobuke H., Nonaka K., Otani H., Shiono K., Shimizu H., Wang H., Zhang Y., Dong J.H., Hu D.Y., Chan J.C.Y. and Tong L.S.M.: Dental caries prevalence of Chinese children in Beijing, Leshan and Hong Kong. Part1: dft and DFT. *Ped. Dent. J.* 3(1): 7-15, 1993.
- 12) Tanaka M., Moreno E.C., Margolis H.C.: Effect of fluoride incorporation into human dental enamel on its demineralization in vitro. *Archs. Oral Biol.* 38(10): 863-869, 1993.
- 13) Ishikawa M. and Funayama K.: A longitudinal study on the variability of occlusion and maxillofacial morphology in Primates. *Jpn. J. Ped. Dent.* 32: 444-453, 1994 (in Japanese).
- 14) Ohmori I., Idaira Y., Makajima Y., Suzuki S., Ono H., Tanaka M., Yao K., Kohara O.: A clinical study on the protection of proximal surface of the teeth by application of a fluoride releasing resin coating material (KFC-510 system). *Jpn. J. Ped. Dent.* 32: 955-971, 1994 (in Japanese).
- 15) Miyashin M., Mastumura Y., Ishikawa M.: A clinical study on the prognosis of young permanent incisors after acute trauma -longitudinal follow-up study of pulpotomy-. *Jpn. J. Ped. Dent.* 32(4): 987-994, 1994 (in Japanese).
- 16) Katano H.: Developmental changes in protein secretion in rat whole saliva. *J. Stomatol. Soc., Jpn.* 61(1): 98-109, 1994 (in Japanese).
- 17) Takagi Y., Kindaichi J., Moriyama K., Suzuki M., Shimokawa H. and Sasaki S.: Distribution of α 2HS glycoprotein in pathological human dentins. *Connec. Tissue Res.* 30: 309-321, 1994.
- 18) Thwe T.T., Kato J., Hashimoto M., Nagai H., Hashimoto Y. and Ono H.: Pulp reaction after pulpotomy with He-Ne laser irradiation. Reprinted from 4th International Congress on Lasers in Dentistry :299-303, 1994.
- 19) Suzuki M., Shimokawa H., Takagi Y. and Sasaki S.: Calcium-binding properties of fetuin in fetal bovine serum. *J. Experimental Zoology* 270(6): 501-507, 1994.
- 20) Ishikawa M., Sun X., Saito M., Funayama K.: A clinical study of lower permanent anterior crowding and its easement after treatment of anterior cross bite in the deciduous dentition. *Jpn. J. Ped. Dent.* 33: 527-535, 1995 (in Japanese).
- 21) Tanaka M., Matsunaga K., Ono H., Kadoma Y.: A study on the effectiveness of calcium in preventing tooth demineralization. *Jpn. J. Ped. Dent.* 33: 728-732, 1995 (in Japanese).
- 22) Miwa Z., Hikita K., Enomoto M., Saito M., Iijima H., Ono Y. and Ono H.: Morphological and functional findings in a case of

- first and second branchial arch syndrome. Jpn. J. Ped. Dent., 33(5):1131-1138,1995 (in Japanese).
- 23) Ono Y.: Use of computer network in the university of Michigan. J. Jpn. Assoc. Dent. Educ. 11(2): 239-244, 1995 (in Japanese).
 - 24) Yamada Y., Takagi Y., Shimokawa H., Ono H. and Ohya K.: The study of enamel formation of rats incisors by in situ hybridization - The effect of bisphosphonate -. Arch. Comp. Biol. Tooth Enamel 4: 85-92, 1995.
 - 25) Kikuchi S.: Study on transgenic mice growing into craniofacial anomaly. J. Stomatol. Soc., Jpn. 62 : 56-77, 1995 (in Japanese).
 - 26) Funayama K.: A study on the interrelation of growth changes of upper apical base and alignment of permanent upper anterior teeth. J. Stomatol. Soc., Jpn. 62 : 269-280, 1995 (in Japanese).
 - 27) Saito M.: A study on determining the mandibular rest position in children by the amplitude-histogram method. Jpn. J. Ped. Dent. 34(1): 161-173, 1996 (in Japanese).
 - 28) Yamada Y.: Amelogenin gene expression in the ameloblasts of rats incisors suffering from experimental enamel hypoplasia. Jpn. J. Ped. Dent. 34(1):182-192,1996 (in Japanese).
 - 29) Miyashin M., Katano H., Kikuchi S., Mastumura Y., Ebashi M., Takenaka F., Kikyo T., Hashimoto Y., Ishikawa M., Takagi Y., Ono H.: A clinical study of the root resorption occurring in the immature permanent teeth. Jpn. J. Ped. Dent. 34(5): 1215-1225, 1996 (in Japanese).
 - 30) Matsunaga K., Tanaka M., Ono H., Kadoma Y.: A basic study of self-etching sealant. Part 1. Report on its etching ability. Jpn. J. Ped. Dent. 34: 1239-1243, 1996 (in Japanese).
 - 31) Kumei Y., Shimokawa H., Katano H., Hara E., Akiyama H., Hirano M., Mukai C., Nagaoka S., Whitson P.A. and Sams C. F.: Microgravity induces prostaglandin E2 and interleukin-6 production in normal rat osteoblasts: role in bone demineralization. J. Biotech. 47(2-3): 313-324, 1996.
 - 32) Akiyama H., Kanai S., Hirano M., Kumei Y., Shimokawa H., Katano H., Hara E., Song S., Mukai C. and Nagaoka S.: An improved quantitative RT-PCR fluorescent method for gene transcripts in the STS-65 space shuttle experiment. J. Biotech. 47(2-3): 325-333, 1996.
 - 33) Thwe T.T. and Kato J.: The comparative histopathological studies of pulpotomized pulp tissues of the developing rat molars with He-Ne laser and Nd-YAG laser irradiation. Ped. Dent. J. 6(1): 69-76, 1996.
 - 34) Sun X.L., Kikyo T. and Ishikawa M.: A three-dimensional study on the morphological variation of the upper permanent central incisor and the first molars - Relationship with congenital missing of the adjacent teeth -. Ped. Dent. J. 6(1): 77-87, 1996.
 - 35) Moriya K. and Kato J.: The morphological changes of deciduous tooth structure by Er:YAG laser irradiation. Jpn. Soc. Laser Dent. 7: 6-11,1996 (in Japanese).
 - 36) Ishikawa M., Teraki T., Yamada E., Kikyo T. and Funayama K.: Effects of the removable habit breakers for treating tongue thrusting. Jpn. J. Ped. Dent. 35: 11-19, 1997 (in Japanese).
 - 37) Matsunaga K., Amakawa M., Tanaka M.: The difference in fitness of mouth guards prepared by different persons- A comparison between dentists and high school rugby football players-. Jpn. J. Ped. Dent. 35: 41-46, 1997 (in Japanese).
 - 38) Tanaka M., Matsunaga K., Ono H., Kadoma Y.: Effect of milk rinse on the inorganic composition of plaque fluid. Jpn. J. Ped. Dent. 35: 437-440, 1997 (in Japanese).
 - 39) Saito M., Oma N., Iijima H., Miwa Z., Ono Y., Takagi Y.: The reproducibility of the bite pressure examination in children by using the dental prescale. Jpn. J. Ped. Dent. 35: 499-504, 1997 (in Japanese).
 - 40) Yamada Y., Takagi Y. and Ohya K.: The study of enamel hypoplasia of rats incisors induced by HEBP - Histological finding using in situ hybridization and immunohistochemistry -. Arch. Comp. Biol. Tooth Enamel 5: 59-70, 1997.
 - 41) Ikeda K., Miwa Z., Ohma N., Iijima H. and Sugimoto K.: Taste sensitivity of children - Comparison with adults-. Jpn. J. Oral Biol. 39(6): 665-669, 1997.
 - 42) Takagi Y.: The distribution of serum proteins in dental hard tissues. Bone Form. Repair : 135-141, 1997.
 - 43) Kato J., Kishizawa Y., Hashimoto M., Moriya K., Kikyo T. and Ono H.: The relationship between cerebral palsy and histopathological characteristics of its primary teeth without enamel hypoplasia. JJSDH 18: 139-145, 1997 (in Japanese).
 - 44) Tamura H., Morikawa T., Nishino M., Kohri Y., Igarashi S., Oguchi H., Amari E., Noda T., Watanabe S., Takagi Y., Akasaka M., Uchimura N., Miyazawa H., Tsuchiya T., Yoshida S., Daito M., Nagasaka N., Kimura M., Nakata M., Motokawa W. and Oguchi T.: Studies on the function of occlusion and the masticatory function in children. Jpn. J. Ped. Dent. 36(1): 111-122, 1998 (in Japanese).
 - 45) Katano H., Ono H., Okada N., Takagi Y.: A case of congenital odontogenic fibroma in a 2-year-old patient. Jpn. J. Ped. Dent. 36(1): 133-137, 1998 (in Japanese).
 - 46) Ishikawa M., Takenaka F., Kikyo T., Funayama K., Ono H. and Deng H.: A morphological study on the maxillofacial growth in Chinese female twins -Comparison of the lateral cephalometric results with those of Japanese girls-. Jpn. J. Ped. Dent. 36: 613-624, 1998 (in Japanese).

- 47) Miyashin M., Ebashi M., Takagi Y., Ono H., Iwasaki N., Takahashi H., Nishimura F.: An experimental study on the fracture of endodontically treated immature permanent teeth - The effects of resin composites and dentin bonding agents being used for restorations of the access cavities-. Jpn. J. Ped. Dent. 36(5): 777-789, 1998 (in Japanese).
- 48) Yatabe M., Ishikawa M., Shimada Y., Mizoguchi R., Nojima T. and Nagao M.: Oral conditions of inhabitants in Tokashiki Island, Okinawa. J. Stomatol. Soc., Jpn. 65: 196-201, 1998 (in Japanese).
- 49) Takagi Y., Fujita H., Katano H., Shimokawa H. and Kuroda T.: Immunochemical and biochemical characteristics of enamel proteins in hypocalcified amelogenesis imperfecta. Oral Sur. Oral Med. Oral Pathol. 85(4): 424-430, 1998.
- 50) Kumei Y., Shimokawa H., Katano H., Akiyama H., Hirano M., Mukai C., Nagaoka S., Whitson P. A. and Sams C. F.: Spaceflight modulates insulin-like growth factor binding proteins and glucocorticoid receptor in osteoblasts. J. Appl. Physiol. 85(1): 139-147, 1998.
- 51) Goseki-Sone M., Orimo H., Iimura T., Miyazaki H., Oda K., Shibata H., Yanagishita M., Takagi Y., Watanabe H., Shimada T., Oida H.: Expression of the mutant (1735T-DEL) tissue-nonspecific alkaline phosphatase gene from hypophosphatasia patients. J. Bone Miner. Res. 13(12): 1827-1834, 1998.
- 52) Ishikawa M., Yamada E., Sato D., Kikyo T. and Funayama K.: A consideration on the available arch length in cases of crowding of the upper incisors in the mixed dentition period. Jpn. J. Ped. Dent. 37: 726-733, 1999 (in Japanese).
- 53) Hiraishi N., Tanaka M., Takagi Y.: The relationship between inorganic ion composition of saliva and dental caries prevalence in children. J. Stomatol. Soc., Jpn. 66: 249-253, 1999 (in Japanese).
- 54) Tanaka M., Matsunaga K., Kadoma Y.: Effect of rinse with calcium enriched milk on plaque fluid. J. Med. Dent. Sci. 46: 123-126, 1999.
- 55) Miwa Z., Ikawa M., Iijima H., Saito M. and Takagi Y. : Application of transmitted-light photoplethysmography to the vitality test of young permanent teeth. Jpn.J.Ped.Dent., 37(5) : 991-999, 1999 (in Japanese).
- 56) Kikyo T., Saito M. and Ishikawa M.: A study comparing ultrasound images of tongue movements between open bite children and normal children in the early mixed dentition period. J. Med. Dent. Sci. 46: 127-137, 1999.
- 57) Akiyama H., Kanai S., Hirano M., Shimokawa H., Katano H., Mukai C., Nagaoka S., Morita S. and Kumei Y.: Expression of PDGF-beta receptor, EGF receptor and receptor adaptor protein. Shc in rat osteoblasts during spaceflight. Mol. Cell. Biochem. 202(1-2): 63-71, 1999.
- 58) Tanaka M., Margolis H.C.: Release of mineral ions in dental plaque following acid production. Archs. Oral Biol. 44:253-258, 1999.
- 59) Nakano Y., Ohgaki M., Nakamura S., Takagi Y., Yamashita K.: In vitro and in vivo characterization and mechanical properties of α -TCP/OCF settings. Bioceramics, 12 : 315-318, 1999.
- 60) Nagasaka N., Kaihara Y., Okada R., Awane S., Matsushita A., Miura K., Igarashi S., Oguchi H., Amari E., Kamiyama K., Mayanagi H., Satoh H., Suzuki Y., Noda T., Shimooka S., Goto H., Watanabe S., Kurihara Y., Maeda T., Ono H., Kikuchi S., Machida Y., Akasaka M., Sasa R., Higaki M., Uchimura N., Ohmori I., Imanishi T., Miyazawa H., Kurosu K., Yoshida S., Daito M., Sobue S., Shimono T., Nishino M., Kimura M., Nakata M., Motokawa W., Goto G. and Ogura T.: A transverse investigation into the immature permanent teeth of Japanese children - Degree of eruption, developmental disturbance of tooth structure and the pattern of occlusion -. Jpn. J. Ped. Dent. 38(1): 1-13, 2000 (in Japanese).
- 61) Nagasaka N., Kaihara Y., Okada R., Awane S., Matsushita A., Miura K., Igarashi S., Oguchi H., Amari E., Kamiyama K., Mayanagi H., Satoh H., Suzuki Y., Noda T., Shimooka S., Goto H., Watanabe S., Kurihara Y., Maeda T., Ono H., Kikuchi S., Machida Y., Akasaka M., Sasa R., Higaki M., Uchimura N., Ohmori I., Imanishi T., Miyazawa H., Kurosu K., Yoshida S., Daito M., Sobue S., Shimono T., Nishino M., Kimura M., Nakata M., Motokawa W., Goto G. and Ogura T.: A transverse investigation into the immature permanent teeth of Japanese children - Caries prevalence and restorative treatment -. Jpn. J. Ped. Dent. 38(1): 14-29, 2000 (in Japanese).
- 62) Nagasaka N., Kaihara Y., Okada R., Awane S., Matsushita A., Miura K., Igarashi S., Oguchi H., Amari E., Kamiyama K., Mayanagi H., Satoh H., Suzuki Y., Noda T., Shimooka S., Goto H., Watanabe S., Kurihara Y., Maeda T., Ono H., Kikuchi S., Machida Y., Akasaka M., Sasa R., Higaki M., Uchimura N., Ohmori I., Imanishi T., Miyazawa H., Kurosu K., Yoshida S., Daito M., Sobue S., Shimono T., Nishino M., Kimura M., Nakata M., Motokawa W., Goto G. and Ogura T.: A transverse investigation into the immature permanent teeth of Japanese children - The state of plaque adherence and gingivitis -. Jpn. J. Ped. Dent. 38(1): 30-46, 2000 (in Japanese).
- 63) Tanaka M., Masuda M.: Concentration and individual variation of inorganic ions in unstimulated whole saliva. J. Stomatol. Soc., Jpn. 67(1): 46-51, 2000 (in Japanese).
- 64) Iijima H., Miyashin M., Katano H., Ebashi M., Matsumura Y., Miwa Z., Takagi Y.: A newly developed method for taking pictures of tooth crown cracks for clinical records. J. Stomatol. Soc., Jpn. 67(1): 58-62, 2000 (in Japanese).

- 65) Tanaka M., Matsunaga K., Kadoma Y.: Use of fluoride-containing sealant on proximal surfaces. *J. Med. Dent. Sci.* 47: 49-53, 2000.
- 66) Tanaka M., Matsunaga K., Kadoma Y.: Correlation in inorganic ion concentration between saliva and plaque fluid. *J. Med. Dent. Sci.* 47: 55-59, 2000.
- 67) Katano H., Hashimoto Y., Iijima H., Takagi Y., Kikukawa T.: A method for dental pre-clinical practice with audiovisual aids. *J. Jpn. Assoc. Dent. Educ.* 15: 192-199, 2000 (in Japanese).
- 68) Kadoma Y. Tanaka M.: Acid and base-catalyzed hydrolysis of bisphenol A-related compounds. *Dent. Mater. J.* 19: 139-152, 2000.
- 69) Nakano Y.: Preparation and characterization of porous octacalcium phosphate setting improved by α -tricalcium phosphate additive. *J. Jpn. Soc. Dent. Mater. Dev.* 19(1): 65-76, 2000 (in Japanese).
- 70) Thotakura S. R., Mah T., Srinivasan R., Takagi Y., Veis A., George A.: The non-collagenous dentin matrix proteins are involved in dentinogenesis imperfecta type II (DGI-II). *J. Dent. Res.* 79 (3): 835-839, 2000.

B. Books (1993-99)

- 1) Ono H.: Dental Health for Mother and Child., Health and Nutrition. In: Statistics & Graph of Dental Health 2nd Edition. Lion Foundation for Dental Health, Tokyo, 1995 (in Japanese).
- 2) Ono H.: Progress of Pediatric Dentistry. In: Today's Therapy in Pediatrics 2nd Edition. Hanawa Y. et al. eds., Igakushoin Ltd., Tokyo, 1993 (in Japanese).
- 3) Ono Y.: Temporomandibular Joint Syndrome in Children. In: Today's Therapy in Pediatrics 2nd Edition. Yata, J. et al. eds., Igakushoin Ltd., Tokyo, 1993 (in Japanese).
- 4) Ono Y.: The Role of Mandibular Condyle in the Human Mandibular Growth. In: The Dictionary of Temporomandibular Joint. Nippon Dental Review Suppl., p.184-187, 1993 (in Japanese).
- 5) Ono Y.: The Extraction of Supernumerary Teeth and the Indication of the Plastic Surgery of Labial and Lingual Frenum of Children. In: Dental Diamonds 19 (Suppl.), p.180-183, 1993 (in Japanese).
- 6) Ishikawa M.: Dental treatments for children with mental retardation. In: A white paper of mental retardation 1993. The Japanese welfare league for mental retardation eds., Nihonbunkakagakusha, Tokyo, 42-44, 1993 (in Japanese).
- 7) Ono Y.: From the Standpoint of a Pediatric Dentist. In: New Trends of Oral Health Care - For the New Structuring of National Health Care System. Dental Outlook (Suppl.), p.338-342, 1994 (in Japanese).
- 8) Takagi Y.: Development and Disorder of Tooth. In: New Textbook of Health in Pediatric Dentistry 1st Edition. Higaki M., Sobue S. eds., Nagasueshoten Ltd., Kyoto, p.70-85, 1994 (in Japanese).
- 9) Takagi Y.: Development of Dentition and Occlusion. In: New Textbook of Health in Pediatric Dentistry 1st Edition. Higaki M., Sobue S. eds., Nagasueshoten Ltd., Kyoto, p.86-97, 1995 (in Japanese).
- 10) Ishikawa M.: Dental treatments for the intellectually disabled. In: A white paper of the intellectual disability 1996. The Japanese welfare league for mental retardation eds., Nihonbunkakagakusha, Tokyo, 37-39, 1995 (in Japanese).
- 11) Ono Y.: Child Dentition and Mastication. In: The Effects of Human Mastication to Oral Health. Kubota K. eds., Nihonkyobunsha, p.105-110, 1997 (in Japanese).
- 12) Ono Y.: Disease of the Oral Mucosa of Children. In: Test of Diagnostic Skill for Dentist. Dental Diamonds, p.51-52, 1997 (in Japanese).
- 13) Shioiri S. and Ishikawa M.: Tooth extraction of children. In: A "re"-primer of tooth extraction. Amagasa. M. et al. eds., Shikahyoronsha, Tokyo, 143-155, 1997 (in Japanese).
- 14) Kato J., Moriya K., Kataumi M. and Tagami J.: Application of the Er:YAG laser on dental hard tissue. *The Quintessence* vol.16, p.1557-1561, 1997 (in Japanese).
- 15) Ono Y.: Improving the Oral Health for the Preschool Children. In: Standard Reference for the Dental and Oral Health. Ono Y. eds., Ishiyaku publishers, Inc., Tokyo, p.35-36, 1998 (in Japanese).
- 16) Kato J., Moriya K. and Takagi Y.: Clinical evaluation of Erbium:YAG laser for cavity preparation in children. In: Proceeding of 1st Conference of Pediatric Dentistry Association of Asia. Machida Y. et al. eds., Issei Publishing Co., p.200-201, 1998.
- 17) Melo L., Takenaka F., Kikyo T., Funayama K., Ishikawa M., Ono H. and Deng H.: Morphological Variations and Agenesis of Teeth in Twins. In: Proceedings of the 1st Conference of Pediatric Dentistry Association of Asia. Machida Y. et al. eds., Issei Publishing Co., p.62-63, 1998.
- 18) Ono Y., Saito M., Miwa Z., Teng N., Tanaka M., Takagi Y., Seki T., Suzuki Y.: A study on masticatory chewing-gum. Part 1. Fabrication of new efficiency in children by new chewing-gum. In: Proceeding of 1st Congress of Pediatric Dental Association of Asia. Machida Y. et al. eds., Issei Publishing Co., p.144-145, 1998.

- 19) Iijima H.: Finger sucking and general health. Prevention of gingivitis. In: Essentials for the Health of Teeth and Mouth. Ito K. et.al. eds., Ishiyaku publishers, Inc., Tokyo, 1998 (in Japanese).
- 20) Takagi Y., Miwa Z., Okubo H. and Kindaichi J.: The influence of malocclusion to otitis media with effusion in children. In: Relation between general health and oral health. Oral Health Association of Japan, p.98-100, 1998(in Japanese).
- 21) Takagi Y.: Importance of anesthesia. In: Practice of dental treatment for infants and young children. Kimura M. et al. eds., Quintessence publishing Co., Tokyo, p.84-85, 1998 (in Japanese).
- 22) Kato J. and Takagi Y.: Vital Pulp Amputation 2) Application of laser for pulp amputation. In: Essential technique for endodontics. Matsumoto K. eds., Daiichi-shika publishing Co., Tokyo, p.63-65, 1999 (in Japanese).
- 23) Miyashin M., Katano H., Miwa Z., Takagi Y.: Clinical approach to the traumatized teeth of children (CD-ROM). SONY Entertainment, Tokyo, March, 1999 (in Japanese).
- 24) Linsuwanont B., Takagi Y. and Shimokawa H.: Expression of proteinase mRNAs in bovine root-resorbing tissue. In: Proceedings of the 6th International Conference on Chemistry and Biology of Mineralized Tissues. Goldberg M., Bosky A., Robinson C. eds., American Academy of Orthopaedic Surgeons, Rosemont, p.357-361, 2000.
- 25) Takagi Y.: Restoration of tooth crown. In: Today's Therapy in Pediatrics 12th Edition. Yada J. et al. eds., Igakushoin Ltd., Tokyo, p.587-588, 2000 (in Japanese).

C. Review Articles

- 1) Ishikawa M., Zhang S., Funayama K. and Ono H.: Bilateral symmetry and compensatory interrelation among mesiodistal crown diameters of permanent upper anterior teeth. J. Stomatol. Soc., Jpn. 60(1): 214, 1993 (in Japanese).
- 2) Kubota K., Yonemitsu M., Minakuchi S., Ono Y. et al.: A study of oral disease in different culture and environment from the dental survey in Nigeria. Part 1. Dental Outlook 81(3): 597-609, 1993 (in Japanese).
- 3) Kubota K., Yonemitsu M., Minakuchi S., Ono Y. et al.: A study of oral disease in different culture and environment from the dental survey in Nigeria. Part 2. Dental Outlook 81(4): 849-863, 1993 (in Japanese).
- 4) Kubota K., Yonemitsu M., Minakuchi S., Ono Y. et al.: A study of oral disease in different culture and environment from the dental survey in Nigeria. Part 3. Dental Outlook 81(5): 1087-1097, 1993 (in Japanese).
- 5) Katano H.: Changes in salivary proteins in accordance with the development. J. Stomatol. Soc., Jpn. 61(3): 465, 1994 (in Japanese).
- 6) Yamada Y.: The influence of HEBP in enamel formation of rats incisor. J. Stomatol. Soc., Jpn. 64(2): 385, 1997 (in Japanese).
- 7) Takagi Y.: Serum proteins in dental hard tissues - The distribution and biological significance -. J. Stomatol. Soc., Jpn. 64(4): 473-482, 1997 (in Japanese).
- 8) Ono Y.: Prevalence of temporomandibular joint clicking of children. J. Stomatol. Soc., Jpn. 65(4): 387, 1998 (in Japanese).
- 9) Takagi Y. and Miwa Z.: The treatment for the tooth-loss - Management of premature tooth loss in growing children -. J. Jpn. Assoc. Dent. Sci. 18: 13-18, 1999 (in Japanese).
- 10) Kikyo T., Saito M., Ishikawa M. and Takagi Y.: An analysis of the tongue dorsum movement by ultrasound images. J. Stomatol. Soc., Jpn. 67(1): 92, 2000 (in Japanese).
- 11) Takagi Y. and Ohyama T.: Infection control in the dental clinic for outpatients. Dentistry in Japan 36: 189-193, 2000.