

Curriculum vitae and list of publications

Akira Taguchi

Nationality: Japan

Present position: Chair and Professor

Department of Oral and Maxillofacial Radiology, School of
Dentistry, Matsumoto Dental University
Professor
Department of Hard Tissue Research, Graduate School of Oral
Medicine, Matsumoto Dental University
Head
Radiology Clinic, Matsumoto Dental University
Hospital Honorary Professor
School of Dentistry, The University of Hong Kong

Work address: 1780 Gobara Hirooka, Shiojiri, Nagano, Japan, 399-0781

Examinations:

1988 Dentist's License (D.D.S), Hiroshima University, Japan (No. 104241)
1992 Doctor of Dental Science (Ph.D.), Hiroshima University, Japan
1996 Board Certification, Japanese Society for Oral and Maxillofacial Radiology (No. 55)
2002 Instructor for Residency in Dentistry, Japan (No. 1354)
2002 Examiner for Objective Structured Clinical Examination in Dentistry, Japan (No. 11)

Other credentials:

2007 Postgraduate Certificate of Clinical Dental Research Methods (University of Washington)
2008 Postgraduate Certificate of Evidenced-Based Diagnostics (Oxford University)
2012 Postgraduate Certificate of Autopsy Imaging (Autopsy Imaging Society in Japan)
2013 Certificate of Clinical Instructor (Minister of Health, Labour and Welfare, Japan)

Professional career:

1992-1995 Research Associate
 Department of Oral and Maxillofacial Radiology, Hiroshima
University
1995-2006 Assistant Professor
 Department of Oral and Maxillofacial Radiology, Hiroshima,
University Hospital
1996-1997 Visiting Professor
 Division of Oral Radiology, Department of Oral Medicine, University of

2003-2008	Washington Clinical Researcher Department of Clinical Studies, Radiation Effects Research Foundation (Hiroshima)
2003-2008	Visiting Lecturer Department of Oral and Maxillofacial Radiology, Kyushu University
2005-2008	Visiting Professor Department of Oral and Maxillofacial Radiology, Kanagawa Dental College
2006-2008	Clinical Associate Professor Department of Oral and Maxillofacial Radiology, Hiroshima University Hospital
2007-2008	Visiting Scholar Department of Dental Public Health Science, University of Washington
2008-	Chair and Professor Department of Oral and Maxillofacial Radiology, School of Dentistry, Matsumoto Dental University Professor Department of Hard Tissue Research, Graduate School of Oral Medicine, Matsumoto Dental University
2009-2010	Part-time Lecturer Division of Oral and Maxillofacial Radiology, Department of Tissue Regeneration and Reconstruction, Niigata University Graduate School of Medical and Dental Sciences, Course for Oral Life Science
2010-2013	Vice Director, Matsumoto Dental University Hospital
2011-2013	Part-time Lecturer Niigata University Graduate School of Medical and Dental Sciences, Course for Oral Life Science
2011-	Visiting Scholar Research Institute of Radiation Biology and Medicine, Hiroshima University
2013-	Visiting Professor Division of Oral Radiology, Department of Oral Medicine, School of Dentistry, University of Washington
2013-2017	Part-time Lecturer The Institute of Medical Science, The University of Tokyo
2016-	Part-time Lecturer Kyushu University Graduate School of Dental Science
2017-	Honorary Professor School of Dentistry, The University of Hong Kong

Other professional activities:

2000-	International Editorial Board of Dentomaxillofacial Radiology
2003-2007	Lecturer in Program of Japan International Cooperation Agency (JICA)
2006-	Scientific member of the Japan Nurse's Health study in Japan Menopause Society
2008-	Scientific member of the research on bisphosphonate-related osteonecrosis of the jaws in Japanese Society for Bone and Mineral Metabolism
2006-2011	Lecturer in implant courses of Tokyo Plastic Dental Society
2009-	International Advisory Board of Journal of Clinical and Investigative Dentistry
2010-	Practice Committee member of the A-TOP (Adequate Treatment of Osteoporosis) in the Japan Osteoporosis Society
2010-	International Advisory Board of Clinical Dentistry and Research
2010-2013	Advisory Board for Grant-in-Aid from the Japan Society for the Promotion of Science
2011-2016	Medical advisor in Asahi Kasei pharmacy Corporation

2012-	International Advisory Board of Journal of Oral and Maxillofacial Radiology
2012-	International ONJ Task Force member of International Osteoporosis Foundation
2013-	International Editorial Board of Journal of Oral diseases
2013-	International Editorial Board of Journal of Radiology & Radiation Therapy
2013-	Medical advisor in Ono Pharmacy Corporation
2014-	International Editorial Board of Oral Diseases
2015-	International Editorial Board of Osteoporosis and Sarcopenia
2014-	International Relation Committee member in the Japan Osteoporosis Society
2015-	Chair of Medical and Dental Cooperation Committee in the Japan Osteoporosis Society
2016-	Director of the Asian Federation of Osteoporosis Societies (AFOS)

Research interests:

- 1) Triage screening for osteoporosis in dental clinics by dental radiographs
- 2) Relationship between oral health, osteoporosis, cardiovascular diseases, and cancer
- 3) Evaluation of bone quantity and quality of the jaws
- 4) Relationship between heredity and jaw bone mass
- 5) Evaluation of muscle distress by magnetic resonance imaging
- 6) Breast cancer screening in dental clinics
- 7) Osteonecrosis of the jaw
- 8) Evidence-based diagnostics

Reviewer of Scientific Journals:

Oral Radiology
 Dental Radiology
 Odontology
 Dentomaxillofacial Radiology
 Journal of Dental Research
 Journal of Oral Rehabilitation
 American Journal of Orthodontics and Dentofacial Orthopedics
 Oral Diseases
 Journal of Periodontology
 Journal of Periodontal Research
 Clinical Oral Investigations
 Osteoporosis International
 Bone
 Surgery and Radiologic Anatomy
 Maturitas
 Journal of Bone and Mineral Metabolism
 Journal of Bone and Mineral Research
 Hypertension
 Hypertension Research
 Radiology Research and Practice
 Geriatric and Gerontology International
 Acta Odontologica Scandinavica
 Journal of Osteoporosis
 Journal of Oral and Maxillofacial Surgery, Medicine and Pathology
 International Journal of Computer Assisted Radiology and Surgery
 PLoS ONE
 Osteoporosis and Sarcopenia

Scientific Reports

Grant and fellowships

- 1993-1994 Grant-in-Aid for Scientific Research from the Japanese Ministry of Education, Science, Sports and Culture
- 1997 Grant from the University of Washington (P30 DE09743)
- 1998 Grant from the Japanese Dental Association
- 2000-2001 Grant-in-Aid for Scientific Research from the Japanese Ministry of Education, Science, Sports and Culture
- 2001-2003 Grant-in-Aid for Scientific Research from the Japanese Ministry of Education, Science, Sports and Culture
- 2002-2003 Grant-in-Aid from the Japan Society for the Promotion of Science
- 2004-2005 Hiroshima University Research Foundation Grant,
- 2004-2005 Grant-in-Aid from the Japan Society for the Promotion of Science
- 2005-2007 The Furuno Corporation Research Fellowship
- 2004-2006 Grant-in-Aid for Scientific Research from the Japanese Ministry of Education, Science, Sports and Culture
- 2006 8020 Promotion Foundation Grant from Japanese Dental Association
- 2007 CASIO Science Promotion Foundation Grant
- 2008 Matsumoto Dental University Foundation Grant
- 2009 Matsumoto Dental University Foundation Grant
- 2009-2011 Grant-in-Aid from the Japan Society for the Promotion of Science
- 2010 Matsumoto Dental University Foundation Grant
- 2011 Lilly Foundation Grant (Japan Osteoporosis Foundation)
- 2012-2014 Grant -in-Aid from the Japan Society for the Promotion of Science
- 2013 Japan Osteoporosis Foundation Grant
- 2014-2016 Grant-in-Aid from the Japan Society for the Promotion of Science
- 2015-2018 Grant-in-Aid from the Japan Society for the Promotion of Science

Awards

- 2004 7th Awards from the Hiroshima University Alumni Association (Clinical Research)
- 2005 Outstanding Research Award from the Japanese Society for Oral and Maxillofacial Radiology
- 2007 Research Award from the Annual Japanese Gynecology Meeting on Osteoporosis
- 2011 Research Award from Lilly Co. in Japan Osteoporosis Foundation
- 2012 Research Award from the Japan Osteoporosis Society
- 2013 Research Award from Japan Osteoporosis Foundation
- 2015 The 27th prize of industry-academia-government collaboration from The Resona Foundation for Small and Medium Expertise Promotion

Patents

1. Taguchi A, Nakamoto T, Asano A, "Osteoporosis CAD using panoramic radiograph," Patent in Japan, JP, 3964795,B (applied on Jan. 7, 2003 [2003-001395], disclosed on Jul. 29, 2004 [2004-209089], and registered on Jun. 1, 2007).
2. Asano A, Taguchi A, Nakamoto T, Tanimoto K, Arifin AZ, "Apparatus for assisting diagnosis of osteoporosis," US Patent 7,916,921 B2 (registered on Mar. 29, 2011) (applied in Japan on Oct. 20, 2004 [2004-304855], PCT-applied on Oct. 18, 2005 [PCT/JP2005/019078], and PCT-disclosed on Apr. 27, 2006 [WO/2006/043523]).
3. Asano A, Taguchi A, Nakamoto T, Tanimoto K, Arifin AZ, "Apparatus for assisting diagnosis

of osteoporosis," Patent pending in Japan, 2006-213259, 2008-036068 (applied on Aug. 4, 2004, and disclosed on Feb. 21, 2008).

4. Asano A, Kavitha MS, Samopa LLF, Taguchi A, "Apparatus for assisting diagnosis of osteoporosis and program for diagnosis of osteoporosis," Patent in Japan, JP, 5640280,B (applied on Jan. 12, 2011 [2011-003987], disclosed on Aug. 2, 2012 [2012-143387], and registered on Nov. 7, 2014).

5. Nakamoto T, Asano A, Taguchi A, Hattori M, Ando H, "Apparatus for assisting diagnosis of osteoporosis," Patent Pending in Japan, 2011-266340, 2013-116293 (applied on Dec. 5, 2011, disclosed on Jun. 13, 2013)

Professional memberships:

The Japanese Society for Oral and Maxillofacial Radiology
The Japan Osteoporosis Society
The Japanese Dental Education Association
Japanese Society for Bone and Mineral Research
Japanese Gynecology Meeting on Osteoporosis
The Japanese Society for Menopause and Women's Health
The Japanese Society for Temporomandibular Joint
The Japanese Society of Periodontology
The Japanese Society of Dental Implantology
The Japan Epidemiological Association
The Japanese Society of Magnetic Resonance in Medicine
International Association of Dentomaxillofacial Radiology
International Association for Dental Research
American Society for Bone and Mineral Research
International Osteoporosis Foundation
Asian Federation of Osteoporosis Societies (AFOS)
Autopsy Imaging Society

List of publications (excluding the Japanese publications):

1. Kajikawa M, Oda N, Kishimoto S, Maruhashi T, Iwamoto Y, Iwamoto A, Matsui S, Aibara Y, Yoshiki MY, Hidaka T, Kihara Y, Chayama K, Goto C, Noma K, Nakashima A, Taguchi A, Higashi Y. Increasing risk of osteoporotic fracture is associated with vascular dysfunction and abnormal vascular structure in both men and women. *Circ J*, in press.
2. Yoneda T, Hagino H, Sugimoto T, Ohta H, Takahashi S, Soen S, Taguchi A, Nagata T, Urade M, Shibahara T, Toyosawa S. Anti-resorptive agent-related osteonecrosis of the jaw: Position Paper 2017 of the Japanese Allied Committee on Osteonecrosis of the Jaw, *J Bone Miner Metab*, in press.
3. Koide D, Yamada K, Yamaguchi A, Kageyama T, Taguchi A. Morphological changes in the temporomandibular joint after orthodontic treatment for Angle Class II malocclusion, *Cranio*, in press.
4. Nakamura Y, Suzuki T, Kamimura M, Ikegami S, Murakami K, Uchiyama S, Kato H, Taguchi A. Two-year clinical outcome of denosumab treatment alone and in combination with teriparatide in Japanese treatment-naive osteoporotic patients. *Bone Res*, in press.
5. Khan AA, Morrison A, Hanley DA, Felsenberg D, McCauley LK, O’Ryan F, Reid IR, Ruggiero S, Taguchi A, Tetradis S, Watts NB, Brandi ML, Peters E, Guise T, Eastell R, Cheung AM, Morin S, Masri B, Cooper C, Morgan S, Obermayer-Pietsch B, Langdahl BL, Al Dabagh R, Davison KS, Kendler D, Sándor GK, Van Poznak C, Josse, RG, Bhandari M, El Rabbany M, Pierroz D, Sulimani R, Saunders D, Brown JP, Compston J on behalf of the International Task Force on Osteonecrosis of the Jaw. Case-based review of osteonecrosis of the jaw (ONJ) and application of the international recommendations for management from the international task force on ONJ. *J Clin Densitom*, in press.
6. Kamimura M, Nakamura Y, Ikegami S, Uchiyama S, Kato H, Taguchi A. Significant improvement of bone mineral density and bone turnover markers by denosumab therapy in bisphosphonate-unresponsive patients, *Osteoporos Int*, 28:559-566, 2017.
7. Nakamura T, Fukunaga M, Nakano T, Kishimoto H, Ito M, Hagino H, Sone T, Taguchi A, Tanaka S, Ohashi M, Ota Y, Shiraki M. Efficacy and Safety of Once-Yearly Zoledronic Acid in Japanese Patients with Primary Osteoporosis: Two-Year Results from a Randomized Placebo-Controlled Double-Blind Study (ZOledroNate treatment in Efficacy to osteoporosis; ZONE Study), *Osteoporos Int*, 28:389-398, 2017.
8. Takahashi M, Uchida K, Yamada S, Sugino N, Higashi Y, Yamada K, Taguchi A. Associations of number of teeth present with dental panoramic radiography measure in Japanese men and women 40 years and older: a cross-sectional study. *Osteoporosis and Sarcopenia*, 2:250-255, 2016.
9. Taguchi A, Kamimura M, Nakamura Y, Sugino N, Ichise A, Maezumi H, Fukuzawa K, Ashizawa R, Takahara K, Gushiken S, Mukaiyama K, Ikegami S, Uchiyama S, Kato H. Delayed wound healing after tooth extraction and self-reported kyphosis in Japanese men and women. *Sci Rep*, 16;6:36309. doi: 10.1038/srep36309, 2016.
10. Iwamoto Y, Uchida K, Sugino N, Kuroiwa H, Kitamura Y, Udagawa N, Shinohara A, Higashi Y, Taguchi A. Response to Letter to the Editor: Re: Differences in the risk of osteoporotic femur fractures among Japanese and white women as predicted by carotid artery calcification visualized on panoramic images. *Oral Surg Oral Med Oral Pathol Oral Radiol*, 122:655-656, 2016.
11. Ariji Y, Katsumata A, Taguchi A, Fujita H, Ariji E. Factors affecting on observer agreement in morphological evaluation of mandibular cortical bone on panoramic radiographs. *Oral Radiol*, DOI 10.1007/s11282-016-0253-9, 2016.
12. Kamimura M, Nakamura Y, Sugino N, Uchiyama S, Komatsu M, Ikegami S, Kato H, Taguchi A. Associations of self-reported height loss and kyphosis with vertebral fractures in Japanese women 60 years and older: a cross-sectional survey, *Sci Rep*, 6;6:29199. doi:

- 10.1038/srep29199, 2016.
13. Taguchi A, Shiraki M, Sugimoto T, Ohta H, Soen S for the Japan Osteoporosis Society. Lack of cooperation between physicians and dentists during osteoporosis treatment may increase both fractures and osteonecrosis of the jaw in Japan, *Curr Med Res Opin*, 32:1261-8, 2016.
 14. Iwamoto Y, Uchida K, Sugino N, Kuroiwa H, Kitamura Y, Udagawa N, Shinohara A, Higashi Y, Taguchi A. Osteoporosis, osteoporotic fractures, and carotid artery calcification detected on panoramic radiographs in Japanese men and women. *Oral Surg Oral Med Oral Pathol Oral Radiol*, 121:673-80, 2016.
 15. Taguchi A, Kamimura M, Sugino N, Uchida K, Kitamura Y, Ikegami S, Nakamura Y, Uchiyama S, Kato H. Association of self-reported height loss and kyphosis with loss of teeth in Japanese elderly. *Oral Health Dent Manag*, 15:69-74, 2016.
 16. Nakamura Y, Kamimura M, Ikegami S, Mukaiyama K, Uchiyama S, Taguchi A, Kato H. Changes in serum vitamin D and PTH values using denosumab with or without bisphosphonate pre-treatment in osteoporotic patients: A short-term study. *BMC Endocr Disord*, 15; 81, 2015.
 17. Mukaiyama K, Uchiyama S, Nakamura Y, Ikegami S, Kamimura M, Taguchi A, Kato H. Effectiveness of Eldecalcitol switching from conventional vitamin D treatment on bone metabolism. *Tohoku J Exp Med*, 237:339-443, 2015.
 18. Taguchi A, Shiraki M, Tsukiyama M, Miyazaki T, Soen S, Ohta H, Nakamura T, Orimo H for the Adequate Treatment of Osteoporosis (A-TOP) Research Group. Impact of osteonecrosis of the jaw on osteoporosis treatment in Japan: results of a questionnaire-based survey by the Adequate Treatment of Osteoporosis (A-TOP) research group. *Calcif Tissue Int*, 97:542-550, 2015.
 19. Takeo K, Komazaki Y, Hoshino M, Koide D, Aoki A, Taguchi A, Yamada K. Multipoint analysis of anatomical condylar movement using dental CT. *Matsumoto Shigaku* 41:7-19, 2015.
 20. Zhang Y, Li X, Chihara T, Mizoguchi T, Hori A, Udagawa N, Takahashi N, Nakamura H, Hasegawa H, Taguchi A, Shinohara A, Kagami H. Comparing immunocompetent and immunodeficient mice as ectopic transplantation animal models for bone tissue engineering. *Oral Dis*, 21:583-92, 2015.
 21. Khan AA, Morrison A, Hanley DA, Felsenberg D, McCauley LK, O’Ryan F, Reid IR, Ruggiero S, Taguchi A, Tetradis S, Watts NB, Brandi ML, Peters E, Guise T, Eastell R, Cheung AM, Morin S, Masri B, Cooper C, Morgan S, Obermayer-Pietsch B, Langdahl BL, Al Dabagh R, Davison KS, Kendler D, Sándor GK, Van Poznak C, Josse, RG, Bhandari M, El Rabbany M, Pierroz D, Sulimani R, Saunders D, Brown JP, Compston J on behalf of the International Task Force on Osteonecrosis of the Jaw. Diagnosis and Management of Osteonecrosis of the Jaw: A Systematic Review and International Consensus. *J Bone Miner Res*, 30:3-23, 2015.
 22. Yamada S, Uchida K, Iwamoto Y, Sugino N, Yoshinari N, Kagami H, Taguchi A. Panoramic radiography measurements, osteoporosis diagnoses, and fractures in Japanese men and women. *Oral Dis*, 21:335-341, 2015.
 23. Osanai H, Kuroiwa H, Uchida K, Kagami H, Yamada K, Taguchi A. Sonographic features of cervical lymph nodes in healthy young Japanese adults: association with age, sex, and body mass index. *J Clin Ultrasound*, 43:295-301, 2015.
 24. Kajikawa M, Nakashima A, Maruhashi T, Iwamoto Y, Iwamoto A, Matsumoto T, Hidaka T, Kihara Y, Chayama K, Goto C, Taguchi A, Noma K, Higashi Y. Poor oral health behavior, decreased frequency of tooth brushing, is associated with endothelial dysfunction. *Circ J*, 78:950-4, 2014.
 25. Mochizuki N, Sugino N, Ninomiya T, Yoshinari N, Udagawa N, Taguchi A. Association of cortical shape of the mandible on panoramic radiographs with mandibular trabecular bone structure in Japanese adults - cone beam CT image analysis. *Oral Radiol*, 30:160-167, 2014.

- Erratum: 30:168-169, 2014.
26. Taguchi A, Iwamoto Y, Yamada S, Sugino N, Kuroiwa H, Uchida K, Higashi Y. Association of carotid artery calcification detected on dental panoramic radiographs with a history of osteoporosis diagnosis without prevalent fractures. *J Radiol Radiat Ther*, 1:1020, 2013.
 27. Taguchi A, Miki M, Muto A, Kubokawa K, Migita K, Higashi Y, Yoshinari N. Association between oral health and the risk of lacunar infarction in Japanese adults. *Gerontology*, 59:499-506, 2013.
 28. Taguchi A, Akiyama H, Koseki T, Shimizutani K. Recognition of bisphosphonate-related osteonecrosis of the jaws among oral and maxillofacial radiologists: Results from the questionnaire-based survey in Japan. *Oral Radiol*, 29:98-104, 2013.
 29. Uchida K, Ochiai T, Sinohara A, Miki M, Muto A, Yoshinari N, Hasegawa H, Taguchi A. Primary intraosseous odontogenic carcinoma arising from a dentigeous cyst. *J Hard Tissue Biol*, 22:375-381, 2013.
 30. Kavitha MS, Asano A, Kurita T, Taguchi A, Heo MS. Combination of histogram-based automatic clustering algorithm and support vector machine for the diagnosis of osteoporosis. *Imaging Sci Dent*, 43:153-161, 2013.
 31. Arijji Y, Nakayama M, Taguchi A, Gotoh A, Kise Y, Katsumata A, Kurita K, Arijji E. Intramuscular changes of soft and hard areas after low-level static contraction of the masseter muscle and the correlations with muscle hardness and increase in water content: evaluations with sonographic elastography and magnetic resonance imaging. *Oral Surg Oral Med Oral Pathol Oral Radiol*, 116:354-61, 2013.
 32. Enami K, Yamada K, Kageyama T, Taguchi A. Morphological changes in the temporomandibular joint before and after sagittal splitting ramus osteotomy of the mandible for skeletal mandibular protrusion. *Cranio*, 31:123-32, 2013.
 33. Iwatani K, Matsuo K, Kawase S, Wakimoto N, Taguchi A, Ogasawara T. Effects of open mouth and rubber dam on upper airway patency and breathing. *Clin Oral Investig*, 17:1295-9, 2013.
 34. Miyashita M, Taguchi A, Ochiai T, Kawahara I, Hasegawa H, Kagami H. An aberrant parotid gland duct with a cutaneous orifice accompanied by sialolithiasis. *J Oral Maxillofac Surg*, 2012, 71:77-82, 2013.
 35. Taguchi A. Confusion by bisphosphonate related osteonecrosis of the jaw in Japan. *BMJ – British Medical Journal*, electronic letter publication (published 30 October 2012)
 36. Taguchi A. BRONJ in Japan. *Osteoporosis*, 10 (suppl.4), 14-15, 2012.
 37. Sugino N, Kitamura Y, Kimura A, Uchida K, Taguchi A. Intramuscular vascular malformation of the masseter muscle - case report. *Clinical Dentistry and Research*, 36: 25-30, 2012.
 38. Uozumi T, Yoshikawa Y, Yokoi Y, Ando N, Taguchi A, Ogasawara T, Udagawa N, Okafuji N. A comparative study on the morphological changes in the pharyngeal airway space before and after sagittal split ramus osteotomy. *J Hard Tissue Biol*, 21: 35-42, 2012.
 39. Kavitha MS, Samopa, F, Asano A, Taguchi A, Sanada M. Computer-aided system for cortical width measurement of the mandible on dental panoramic radiographs to identify osteoporosis. *J Investig Clin Dent*, 3:36-44, 2012.
 40. Kavitha MS, Asano A, Taguchi A, Sanada M. Diagnosis of osteoporosis on dental panoramic radiographs using support vector machine in computer-aided system. *BMC Medical Imaging*, 12:1, 2012.
 41. Taguchi A, Ohtsuka M, Nakamoto T, Sueti Y, Tanimoto K, Kataoka T. Bone mass of the mandible and the risk of breast cancer among Japanese postmenopausal women. *Breast J*, 18: 93-94, 2012.
 42. Taguchi A. Screening for osteoporosis in dental clinics by panoramic radiographs. *J Dent Hlth*, 61 (supplement): 183-188, 2011.
 43. Idei N, Soga J, Hata T, Fujii Y, Fujimura N, Mikami S, Maruhashi T, Nishioka K, Hidaka T,

- Kihara Y, Chowdhury M, Noma K, Taguchi A, Chayama K, Sueda T, Higashi Y. Response to the letter: Autologous bone-marrow mononuclear cell implantation reduces long-term major amputation risk in patients with critical limb ischemia: A comparison of atherosclerotic peripheral arterial disease and buerger disease. *Circ Cardiovasc Interv*, 4:e13, 2011.
44. Idei N, Soga J, Hata T, Fujii Y, Fujimura N, Mikami S, Maruhashi T, Nishioka K, Hidaka T, Kihara Y, Chowdhury M, Noma K, Taguchi A, Chayama K, Sueda T, Higashi Y. Autologous bone-marrow mononuclear cell implantation reduces long-term major amputation risk in patients with critical limb ischemia: A comparison of atherosclerotic peripheral arterial disease and buerger disease. *Circ Cardiovasc Interv*, 4:15-25, 2011.
 45. Taguchi A, Sugino N, Miki M, Kozai Y, Mochizuki N, Osanai H, Yamada S, Kuroiwa H, Fujiki T, Uchida K, Yoshinari N, Kashima I. Detection of Japanese young adults with undetected low skeletal bone density using panoramic radiographs, *Dentomaxillofac Radiol*, 40:154-9, 2011.
 46. Yoneda T, Hagino H, Sugimoto T, Ohta H, Takahashi S, Soen S, Taguchi A, Toyosawa S, Nagata T, Urade M. Bisphosphonate-related osteonecrosis of the jaw: position paper from the Allied Task Force Committee of Japanese Society for Bone and Mineral Research, Japan Osteoporosis Society, Japanese Society of Periodontology, Japanese Society for Oral and Maxillofacial Radiology, and Japanese Society of Oral and Maxillofacial Surgeons. *J Bone Miner Metab*, 28:365-83, 2010.
 47. Arijji Y, Taguchi A, Sakuma S, Miki M, Asawa T, Uchida K, Yoshinari N, Hiraiwa Y, Kise Y, Izumi M, Naitoh M, Katsumata A, Arijji E. MR T2-weighted IDEAL water imaging for assessing changes in masseter muscles caused by low-level static contraction. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*, 109:908-16, 2010.
 48. Taguchi A. Alveolar density measurement and bisphosphonate-related osteonecrosis of the jaws. *Osteoporos Int*, 21:827-8, 2010.
 49. Taguchi A. Triage screening for osteoporosis in dental clinics using panoramic radiographs. *Oral Dis*, 16:316-27, 2010.
 50. Suei Y, Taguchi A, Tanimoto K. Contents of the simple bone cyst cavity. *J Oral Maxillofac Surg*, 68:2033, 2010.
 51. Suei Y, Taguchi A, Nagasaki T, Tanimoto K. Radiographic findings and prognosis of simple bone cysts of the jaws. *Dentomaxillofac Radiol*, 39:65-72, 2010.
 52. Higashi Y, Goto C, Hidaka T, Soga J, Nakamura S, Fujii Y, Hata T, Idei N, Fujimura N, Kihara Y, Taguchi A. Oral infection-inflammatory pathway, periodontitis, is a risk factor for endothelial dysfunction in patients with coronary artery disease. *Atherosclerosis*, 206:604-10, 2009.
 53. Samopa F, Asano A, Taguchi A. Automatic molar extraction from dental panoramic radiographs for forensic personal identification. *IEICE Trans. Information and Systems*, E92-D, 11: 2287-2290, 2009.
 54. Morita I, Nakagaki H, Taguchi A, Kato K, Murakami T, Tsuboi S, Hayashizaki J, Inagaki K, Noguchi T. Relationships between mandibular cortical bone measures and biochemical markers of bone turnover in elderly Japanese men and women. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*, 108:777-83, 2009.
 55. Taguchi A. Panoramic radiographs for identifying individuals with undetected osteoporosis. *Japanese Dental Science Review*, 45: 109-120, 2009.
 56. Taguchi A. Can predicting risk tool for osteoporotic fracture actually reduce the fractures? *BMJ –British Medical Journal (electronic letter) (published 29 November 2009)*.
 57. Taguchi A, Ohtsuka M, Nakamoto T, Suei Y, Kudo Y, Tanimoto K, Bollen A-M. Detection of postmenopausal women with low bone mineral density and elevated biochemical markers of bone turnover by panoramic radiographs. *Dentomaxillofac Radiol*, 37:433-7, 2008.
 58. Uejima S, Okada K, Kagami H, Taguchi A, Ueda M. Bone marrow stromal cell therapy improves femoral bone mineral density and mechanical strength in ovariectomized rats.

- Cytherapy, 2:1-11, 2008.
59. Nakamoto T, Taguchi A, Ohtsuka M, Suei Y, Fujita M, Tsuda M, Sanada M, Kudo Y, Asano A, Tanimoto K. A computer-aided diagnosis system to screen for osteoporosis using dental panoramic radiographs. *Dentomaxillofac Radiol*, 37:274-81, 2008.
 60. Taguchi A, Asano A, Ohtsuka M, Nakamoto T, Suei Y, Tsuda M, Kudo Y, Inagaki K, Noguchi T, Tanimoto K, Jacobs R, Klemetti E, White SC, Horner K; OSPD International Collaborative Group. Observer performance in diagnosing osteoporosis by dental panoramic radiographs: results from the osteoporosis screening project in dentistry (OSPD). *Bone*, 43:209-13, 2008.
 61. Taguchi A. Prevalent vertebral fracture and the risk of incident vertebral fracture. *JAMA-Journal of the American Medical Association*, 299:1666, 2008.
 62. Higashi Y, Goto C, Jitsuiki D, Umemura T, Nishioka K, Hidaka T, Takemoto H, Nakamura S, Soga J, Chayama K, Yoshizumi M, Taguchi A. Periodontal infection is associated with endothelial dysfunction in healthy subjects and hypertensive patients. *Hypertension*, 51:446-53, 2008.
 63. Okabe S, Ansai T, Yoshioka I, Tanaka T, Taguchi A, Awano S, Kito S, Wakasugi N, Takata Y, Takehara T, Ohba T, Oda M, Kuroiwa H, Morimoto Y. Assessment of the relationship between the mandibular cortex on panoramic radiographs and the risk of bone fracture and vascular disease in 80-year-olds. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*, 106:433-42, 2008.
 64. Taguchi A, Tsuda M, Ohtsuka M, Nakamoto T, Inagaki K, Noguchi T, Kudo Y, Yoshizumi M, Higashi Y, Suei Y, Tanimoto K. Interaction of obesity and skeletal bone mineral density in tooth retention in Japanese postmenopausal women, *Menopause*, 14:500-4, 2007.
 65. Taguchi A. Re: A prospective study of periodontal disease and pancreatic cancer in US male health professionals. *J Natl Cancer Inst*, 99:738-9, 2007.
 66. Taguchi A, Ohtsuka M, Tsuda M, Nakamoto T, Kodama I, Inagaki K, Noguchi T, Kudo Y, Suei Y, Tanimoto K. Risk for vertebral osteoporosis in postmenopausal women with alterations of the mandible, *Dentomaxillofac Radiol*, 36:143-8, 2007.
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Presentation in the international meeting (First presenter only):

1. Taguchi A. Current concept of osteonecrosis of the jaws in osteoporosis treatment. 5th Asian Federation of Osteoporosis Societies (AFOS) meeting, Kuala Lumpur (Malaysia), October 6-8, 2017 (invited lecture). (scheduled)
2. Taguchi A, Takahashi M, Uchida K, Yamada S, Sugino N, Higashi Y, Yamada K. Associations of number of teeth present with dental panoramic radiography measure in Japanese men and women 40 years and older: a cross-sectional study. *International*

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- Congress of Osteoporosis 2016, Seoul (Korea), November 12, 2016.
 3. Taguchi A, Shiraki M, Sugimoto T, Ohta H, Soen S. Lack of cooperation between physicians and dentists during osteoporosis treatment may increase fractures and osteonecrosis of the jaw. 2016 IADR/APR General Session and Exhibition, Seoul, Korea, 2016.
 4. Taguchi A. Osteonecrosis of the jaw in Japan. Ajou University Small Group Discussion Program, Suwon, Korea, 2016 (invited lecture), 2016.
 5. Taguchi A, Shiraki M, Tsukiyama M, Miyazaki T, Soen S, Ohta H, Nakamura T, Orimo H. Impact of osteonecrosis of the jaw on osteoporosis treatment in Japan: results of a questionnaire-based survey by the Adequate Treatment of Osteoporosis (A-TOP) research group. American Society for Bone and Mineral Research 2015 Annual Meeting, Seattle, Washington, USA, 2015
 6. Taguchi A, Sugino N, Yamada S, Iwamoto Y, Uchida K, Kamimura M. Diagnostic performance for identifying osteoporotic postmenopausal women without prevalent fractures by dental panoramic radiographs. American Society for Bone and Mineral Research 2014 Annual Meeting, Houston, USA, 2014
 7. Taguchi A, Nakamoto T, Ohtsuka M, Tanimoto K, Sanada M. Diagnostic performances of panoramic radiography measures in identifying post-menopausal women with a high risk of fractures. The 19th International Congress of Dentomaxillofacial Radiology, Bergen, Norway, 2013.
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 9. Taguchi A, Shiraki M. Number of teeth remaining and past bone-related markers. IADR/AADR/CADR 90th General Session and Exhibition, Seattle, USA, 2013.
 10. Taguchi A. BRONJ in Japan. The 13th Korean Society of Osteoporosis Meeting, Seoul, Korea, 2012 (Invited speaker)
 11. Taguchi A, Miki M, Migita K, Higashi Y, Yoshinari N. Panoramic radiography measure and silent lacunar infarction. The 18th International Congress of Dentomaxillofacial Radiology, Hiroshima, Japan, 2011.
 12. Taguchi A, Miki M, Migita K, Higashi Y, Yoshinari N. Association of tooth loss with silent lacunar infarction. IADR/AADR/CADR 89th General Session and Exhibition, San Diego, USA, 2011.
 13. Taguchi A. Triage screening of osteoporosis by panoramic radiographs. Individual Dental Diagnosis Course in 2nd International Workshop. Graduate School of BioDentist Program, Hiroshima University, Hiroshima, 2010 (Invited speaker)
 14. Taguchi A, Sugino N, Osanai H, Uchida K. Detection of Japanese young adults with undetected low skeletal bone density using panoramic radiographs. The 8th Asian Congress of Oral and Maxillo-Facial Radiology, Seoul, Korea, 2010.
 15. Taguchi A, Sui Y, Tanimoto K, Kataoka T. Bone mass of the mandible and the risk of breast cancer among Japanese postmenopausal women. The 8th Asian Congress of Oral and Maxillo-Facial Radiology, Seoul, Korea, 2010.
 16. Taguchi A. Screening for osteoporosis in dental clinics by panoramic radiographs. WHO International Symposium for Global Oral Health Science Niigata 2010, Niigata, 2010 (Invited speaker).
 17. Taguchi A. Evaluation of bone quantity and quality of the jaws - imaging modalities and biochemical markers of bone quality. ICOI (International Congress of Oral Implantologist) European Symposium, Istanbul, Turkey, 2010 (Invited main speaker)
 18. Taguchi A. Dental Breakthrough in the 21st Century, Where Science Meets Technology. Triage screening for osteoporosis by dental panoramic radiographs. 15th Scientific and Refresher Course in Dentistry (KPPIKG2009), Jakarta, Indonesia, 2009 (Invited main

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19. Taguchi A. Diagnosis of osteoporosis on panoramic radiographs. The 17th International Congress of Dentomaxillofacial Radiology, Amsterdam, The Netherlands, 2009 (Invited keynote speaker)
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 27. Taguchi A. Osteoporosis in Dentistry –Corporation with medical professionals -. 3rd V Dental Imaging Journey and Show (Sao Paulo Dental Association) (Invited main speaker), Sao Paulo, Brazil, 2003.
 28. Taguchi A. Identification of women with increased risk of osteoporosis by panoramic radiographs. 2nd Meeting of Osteoporosis in Dentistry (Sao Paulo University) (Invited keynote speaker), Sao Paulo, Brazil, 2003.
 29. Taguchi A, Sanada M, Krall EA, Nakamoto T, Ohtsuka M, Suei Y, Tanimoto K, Kodama I, Tsuda M, Ohama K. Relationship between dental panoramic radiographic findings and biochemical markers of bone turnover. American Society for Bone and Mineral Research 24th Annual meeting, San Antonio, USA, 2002.
 30. Taguchi A, Ohtsuka M, Kobayashi J, Suei Y, Sanada M, Ohama K, Tanimoto K. Contribution of genetic factors to mandibular bone masses in Japanese women. The 13th International Congress of Dentomaxillofacial Radiology, Glasgow, UK, 2001.
 31. Taguchi A, Ohtsuka M, Suei Y, Tanimoto K, Ohama K, Hollender LG. Relation of jaw bone mass and tooth loss to general skeletal mineral status in Japanese postmenopausal women. The 11th International Congress of Dentomaxillofacial Radiology, Louisville, USA, 1997.

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