

鹿児島大学歯学部発表論文（2012年 SCI(または JCR) リスト雑誌に公表された業績 (IF2012))

1. Ohno S, Kuramoto E, Furuta T, Hioki H, Tanaka YR, Fujiyama F, Sonomura T, Uemura M, Sugiyama K, Kaneko T. Morphological analysis of thalamocortical axon fibers of rat posterior thalamic nuclei: A single neuron tracing study with viral vectors. *Cereb Cortex* 2012; 22 (12): 2840-2857. (6.828)
2. Kameda H, Hioki H, Tanaka YH, Tanaka T, Zaerin S, Sonomura T, Furuta T, Fujiyama F, Kaneko T. Parvalbumin-producing cortical interneurons receive inhibitory inputs on proximal portions and cortical excitatory inputs on distal dendrites. *Eur J Neurosci* 2012; 35(6): 838-854. (3.753)
3. Tsukahara K, Tamatsu Y, Sugawara Y, Shimada K. Relationship between the depth of facial wrinkles and the density of the retinacula cutis. *Arch Dermatol* 2012; 148: 39-46. (4.792)
4. Furuya H, Matsunaga S, Tamatsu Y, Nakano T, Yoshinari M, Ide Y, Abe S. Analysis of biological apatite crystal orientation in anterior cortical bone of human mandible using microbeam X-ray diffractometry. *Mater Trans* 2012; 53: 980-984. (0.588)
5. Tsukahara K, Tamatsu Y, Sugawara Y, Shimada K. Morphological study of the relationship between solar elastosis and the development of wrinkles on the forehead and lateral canthus. *Arch Dermatol* 2012; 148: 913-917. (4.792)
6. Tomonari H, Miura H, Nakayama A, Matsumura E, Ooki M, Ninomiya Y, Harada S. *Ga*-gustducin is extensively co-expressed with sweet and bitter taste receptors in both the soft palate and fungiform papillae but has different functional significance. *Chem Senses* 2012; 37(3): 241-51. (3.222)
7. Bandow K, Kusuyama J, Shamoto M, Kakimoto K, Ohnishi T, Matsuguchi T. LPS-induced chemokine expression in both Myd88-dependent and -independent manners is regulated by Cot/Tpl2-ERK axis in macrophages. *FEBS Letters* 2012; 586: 1540-1546. (3.582)
8. Matsuguchi T. Mast Cells as Critical Effectors of Host Immune Defense against Gram-negative Bacteria. *Curr Med Chem.* 2012; 19: 1432-1442.(4.070)
9. Lin JH, Morikawa T, Chan AT, Kuchiba A, Shima K, Noshio K, Kirkner G, Zhang SM, Manson JE, Giovannucci E, Fuchs CS, Ogino S. Postmenopausal hormone therapy is associated with a reduced risk of colorectal cancer lacking CDKN1A expression. *Cancer Res.* 2012; 72: 3020-8 (8.650)
10. Ogino S, Shima K, Meyerhardt JA, McCleary NJ, Ng K, Hollis D, Saltz LB, Mayer RJ, Schaefer P, Whittom R, Hantel A, Benson III AB, Spiegelman D, Goldberg RM, Bertagnolli MM, Fuchs CS. Predictive and Prognostic Roles of *BRAF* Mutation in Stage III Colon Cancer: Results from Intergroup Trial CALGB 89803. *Clin Cancer Res* 2012; 18: 890-900. (7.837)
11. Morikawa T, Shima K, Kuchiba A, Yamauchi M, Tanaka N, Imamura Y, Liao X, Qian ZR, Brahmandam M, Longtine JA, Lindeman NI, Fuchs CS, Ogino S. No Evidence for Interference of H&E Staining in DNA Testing. Usefulness of DNA Extraction From H&E-Stained Archival Tissue Sections. *Am J Clin Pathol.* 2012; 138: 122-129. (2.881)
12. Liao X, Lochhead P, Nishihara R, Morikawa T, Kuchiba A, Yamauchi M, Imamura Y, Qian ZR, Baba Y, Shima K, Sun R, Noshio K, Meyerhardt JA, Giovannucci E, Fuchs CS, Chan AT, Ogino S. Aspirin use, tumor *PIK3CA* mutation, and colorectal-cancer survival. *N Engl J Med.* 2012; 367: 1596-606. (51.658)
13. Waldron L, Ogino S, Hoshida Y, Shima K, McCart Reed AE, Simpson PT, Baba Y, Noshio K, Segata N, Vargas AC, Cummings MC, Lakhani SR, Kirkner GJ, Giovannucci E, Quackenbush J, Golub TR, Fuchs CS, Parmigiani G, Huttenhower C. Expression Profiling of Archival Tumors for Long-term Health Studies. *Clin Cancer Res.* 2012; 18: 6136-46. (7.837)
14. Kawada-Matsuo M, Mazda Y, Oogai Y, Kajiya M, Kawai T, Yamada S, Miyawaki S, Oho T, Komatsuzawa H. GlmS and NagB regulate amino sugar metabolism in opposing directions and affect *Streptococcus mutans* virulence. *PLoS One.* 2012; 7(3): e33382. (3.730)
15. Mazda Y, Kawada-Matsuo M, Kanbara K, Oogai Y, Shibata Y, Yamashita Y, Miyawaki S, Komatsuzawa H. Association of CiaRH with resistance of *Streptococcus mutans* to antimicrobial peptides in biofilms., *Mol Oral Microbiol.* 2012;

- 27(2): 124-35. (2.648)
16. Tang G, Kawai T, Komatsuzawa H, Mintz KP. Lipopolysaccharides mediate leukotoxin secretion in *Aggregatibacter actinomycetemcomitans*. Mol Oral Microbiol. 2012; 7(2): 70-82. (2.648)
 17. Hada N, Okayasu M, Ito J, Nakayachi M, Hayashida C, Kaneda T, Uchida N, Muramatsu T, Koike C, Masuhara M, Sato T, Hakeda Y. Receptor activator of NF- κ B ligand-dependent expression of caveolin-1 in osteoclast precursors, and high dependency of osteoclastogenesis on exogenous lipoprotein. Bone 2012; 50:226-236. (3.823)
 18. Okayasu M, Nakayachi M, Hayashida C, Ito J, Kaneda T, Masuhara M, Suda N, Sato T, Hakeda Y. Low-density Lipoprotein Receptor Deficiency Causes Impaired Osteoclastogenesis and Increased Bone Mass in Mice because of Defect in Osteoclastic Cell-Cell Fusion. J Biol Chem 2012;287(23):19229-19241. (4.651)
 19. Kitada K, Oho T. Effect of saliva viscosity on the coaggregation between oral streptococci and *Actinomyces naeslundii*. Gerodontology 2012; 29: e981-987. (1.828)
 20. de Toledo A, Nagata E, Yoshida Y, Oho T. *Streptococcus oralis* coaggregation receptor polysaccharides induce inflammatory responses in human aortic endothelial cells. Mol Oral Microbiol 2012; 27(4): 295-307. (2.648)
 21. Soutome S, Kajiwaru K, Oho T. Combined use of self-efficacy scale for oral health behaviour and oral health questionnaire: a pilot study. Health Educ J 2012; 71(5): 576-589. (0.929)
 22. Ohmure H, Takada H, Nagayama K, Sakiyama T, Tsubouchi H, Miyawaki S. Mastication Suppresses Initial Gastric Emptying by Modulating Gastric Activity. J Dent Res 2012; 91: 293-298. (3.826)
 23. Sakaguchi K, Yagi T, Nagata J, Kubota T, Sugihara K, Miyawaki S. Patient with oculo-facio-cardio-dental syndrome treated with surgical orthodontics. Am J Orthod Dentofacial Orthop 2012; 141(4): 159-170. (1.458)
 24. Yagi T, Ueda H, Amitani H, Asakawa A, Miyawaki S, and Inui A. The Role of Ghrelin, Salivary Secretions, and Dental Care in Eating Disorders. Nutrients 2012; 4(8): 967-989. (2.072)
 25. Inada E, Saitoh I, Hayasaki H, Iwase Y, Kubota N, Takemoto Y, Yamasaki Y. Comparison of normal permanent and primary dentition sagittal tooth-crown inclinations of Japanese females. Cranio 2012;30(1): 41-51. (1.111)
 26. Inada E, Saitoh I, Nakakura-Ohshima K, Maruyama T, Iwasaki T, Murakami D, Tanaka M, Hayasaki H, Yamasaki Y. Association between mouth opening and upper body movement with intake of different-size food pieces during eating. Arch Oral Biol 2012; 57(3): 307-13. (1.549)
 27. Iwasaki T, Saitoh I, Takemoto Y, Inada E, Kanomi R, Hayasaki H, Yamasaki Y. Improvement of nasal airway ventilation after rapid maxillary expansion evaluated with computational fluid dynamics. Am J Orthod Dentofacial Orthop 2012; 141(3): 269-78. (1.458)
 28. Morimoto-Yamashita Y, Ito T, Kawahara K, Kikuchi K, Tatsuyama-Nagayama S, Kawakami-Morizono Y, Fujisawa M, Miyashita K, Emoto M, Torii M, Tokuda M. Periodontal diseases and type 2 diabetes mellitus: is HMGB1-RAGE axis the missing link? Med Hypotheses 2012; 79: 452-455. (1.054)
 29. Miyashita K, Oyama T, Sakuta T, Tokuda M, Torii M. Anandamide induces matrix metalloproteinase-2 production through cannabinoid-1 receptor and transient receptor potential vanilloid-1 in human dental pulp cells in culture. J Endod 2012; 38: 786-790. (2.929)
 30. Fujisawa M, Tokuda M, Morimoto-Yamashita Y, Tatsuyama S, Arany S, Sugiyama T, Kitamura C, Shibukawa Y, Torii M. Hyperosmotic stress induces cell death in an odontoblast-lineage cell line. J Endod 2012; 38: 931-935. (2.929)
 31. Emoto M, Tomita K, Kanemaru N, Tokuda M, Torii M. Development of surface coating material for discolored tooth equipped with bleaching effect. Dent Mater J 2012; 31: 797-805. (0.809)
 32. Angle SR, Sena K, Sumner DR, Virkus WW, Viridi AS. Healing of rat femoral segmental defect with bone morphogenetic protein-2: a dose response study. J Musculoskel Neuron 2012; 12: 28-37. (2.453)
 33. Tateishi F, Hasegawa-Nakamura K, Nakamura T, Oogai Y, Komatsuzawa H, Kawamata K, Douchi T, Hatae M, Noguchi K. Detection of *Fusobacterium nucleatum* in chorionic tissues of high-risk pregnant women. J Clin Periodontol 2012; 39: 417-424. (3.688)
 34. Shirakata Y, Taniyama K, Yoshimoto T, Takeuchi N, Noguchi K. Effect of bone swaging with calcium phosphate bone

- cement on periodontal regeneration in dogs. *Oral Surg Oral Med Oral Pathol Oral Radiol* 2012; 114: 35-42. (1.495)
35. Viridi AS, Liu M, Sena K, Maletich J, McNulty M, Ke HZ, Sumner DR. Sclerostin antibody increases bone volume and enhances implant fixation in a rat model. *J Bone Joint Surg Am.* 2012; 94:1670-1680. (3.272)
 36. McNulty MA, Viridi AS, Christopherson KW, Sena K, Frank RR, Sumner DR. Adult stem cell mobilization enhances intramembranous bone regeneration: a pilot study. *Clin Orthop Relat Res.* 2012; 470: 2503-2512. (2.533)
 37. Sakoda K, Nakajima Y, Noguchi K. Enamel matrix derivative induces production of vascular endothelial cell growth factor in human gingival fibroblasts. *Eur J Oral Sci* 2012, 120: 513–519. (1.420)
 38. Liu S, Viridi AS, Sena K, Hughes WF, Sumner DR. Bone turnover markers correlate with implant fixation in a rat model using LPS-doped particles to induced implant loosening. *J Biomed Mater Res A* 2012; 100: 918-928. (2.625)
 39. Liu S, Viridi AS, Sena K, Sumner DR. Sclerostin antibody prevents particle-induced implant loosening by stimulating bone formation and inhibiting bone resorption in a rat model. *Arthritis Rheum* 2012; 4012–4020. (7.866)
 40. Minami H, Minesaki Y, Suzuki S, Tanaka T. Twelve-year results of a direct-bonded partial prosthesis in a patient with advanced periodontitis: a clinical report. *J Prosthet Dent* 2012; 108 (2): 69-73. (1.724)
 41. Nishi Y, Seto K, Kamashita Y, Take C, Kurono A, Nagaoka E. Examination of denture-cleaning methods based on the quantity of microorganisms adhering to a denture. *Gerodontology* 2012; 29: e259-e266. (1.828)
 42. Nishi Y, Seto K, Kamashita Y, Kaji A, Kurono A, Nagaoka E. Survival of microorganisms on complete dentures following ultrasonic cleaning combined with immersion in peroxide-based cleanser solution. *Gerodontology* 2012: DOI: 10.1111 /ger.12027. (1.828)
 43. Hamada T, Nomura M, Kamikawa Y, Yamada N, Batra SK, Yonezawa S, Sugihara K. DF3 epitope expression on MUC1 mucin is associated with tumor aggressiveness, subsequent lymph node metastasis, and poor prognosis in patients with oral squamous cell carcinoma. *Cancer* 2012; 118: 5251-64. (5.201)
 44. Nagata S, Hamada T, Yamada N, Yokoyama S, Kitamoto S, Kanmura Y, Nomura M, Kamikawa Y, Yonezawa S, Sugihara K. Aberrant DNA methylation of tumor-related genes in oral rinse: A noninvasive method for detection of oral squamous cell carcinoma. *Cancer* 2012; 118: 4298-308. (5.201)
 45. Suzuki H, Asakawa A, Amitani H, Nakamura N, Inui A. Cachexia and herbal medicine: Perspective. *Curr Pharm Design* 2012 ; 18: 4865-88. (3.311)
 46. Miyawaki A, Hijioka H, Ishida T, Nakamura N. Analysis of the outcome of concurrent neoadjuvant cheoradiotherapy with S-1 compared to super-selective intra-arterial infusion for oral squamous cell carcinoma. *Oncol Lett* 2012; 3: 995-1001. (0.237)
 47. Shimomatsu K, Nozoe E, Okawachi T, Ishihata K, Nakamura N. Three - dimensional analyses of facial soft time configuration of Japanese females with jaw deformity –A trial of polygonal exhibition of soft tissue deformity in orthognathic surgery-. *J Cranio-Maxillofac Surg* 2012; 40(7): 559-567. (1.610)
 48. Yoshimine S, Nishihara K, Nozoe E, Yoshimine M, Nakamura N. Topographic Analysis of Maxillary Premolars and Molars and Maxillary Sinus using Cone Beam Computed Tomography. *Implant Dent* 2012; 21(6): 528-535. (1.404)
 49. Nagano Y, Matsui H, Shimokawa O, Hirayama A, Tamura M, Nakamura Y, Kaneko T, Rai K, Indo HP, Majima HJ, Hyodo I. Rebamipide attenuates nonsteroidal anti-inflammatory drugs (NSAID) induced lipid peroxidation by the manganese superoxide dismutase (MnSOD) overexpression in gastrointestinal epithelial cells. *J Physiol Pharmacol* 2012; 63(2): 137-142. (2.476)
 50. Majima HJ, Toyokuni S. Mitochondria and free radical studies on health, disease and pollution. *Free Radic Res* 2012; 46(8): 925-6. (3.279)
 51. Indo HP, Inanami O, Koumura T, Suenaga S, Yen H-C, Kakinuma S, Matsumoto K, Nakanishi I, St Clair W, St Clair DK, Matsui H, Cornette R, Gusev O, Okuda T, Nakagawa Y, Ozawa T, Majima HJ. Roles of mitochondria-generated reactive oxygen species on X-ray-induced apoptosis in a human hepatocellular carcinoma cell line, HLE. *Free Radic Res* 2012; 46(8): 1029-43. (3.279)
 52. Hanyu O, Nakae H, Miida T, Higashi Y, Fuda H, Endo M, Kohjitani A, Sone H, Strott CA. Cholesterol sulfate induces

expression of the skin barrier protein filaggrin in normal human epidermal keratinocytes through induction of ROR α . *Biochem Biophys Res Commun* 2012; 428: 99-104. (2.406)

53. Sugiyama K, Manabe Y, Kohjitani A. Unrecognized bronchial intubation associated with the uncuffed pediatric tracheal tube with bilateral Murphy eyes. *Pediatr Anaesth* 2012; 22: 1191-6. (2.436)
54. Sugiyama K, Manabe Y, Kohjitani A. The Parker Flex-Tip tube prevents subglottic impingement on the tracheal wall during nasotracheal intubation. *Anesth Analg* 2012; 115: 212-3. (3.300)
55. Iwase Y, Kohjitani A, Tohya A, Sugiyama K. Preoperative autologous blood donation and acute normovolemic hemodilution affect intraoperative blood loss during sagittal split ramus osteotomy. *Transfus Apher Sci* 2012; 46: 245-51. (1.225)
56. Kohjitani A, Miyata M, Iwase Y, Sugiyama K. Responses of the second derivative of the finger photoplethysmogram indices and hemodynamic parameters to anesthesia induction. *Hypertens Res* 2012; 35: 166-72. (2.791)
57. Miyawaki T, Kohjitani A, Maeda S, Higuchi H, Arai Y, Tomoyasu Y, Shimada M. Combination of midazolam and a cyclooxygenase-2 inhibitor inhibits lipopolysaccharide-induced interleukin-6 production in human peripheral blood mononuclear cells. *Immunopharmacol Immunotoxicol* 2012; 34: 79-83. (1.356)