

● 2012年度「口腔環境制御研究」報告：九州大学歯学部

<原著論文>

1. Kusahara Y, Yoshida R, Ohkuri T, Yasumatsu K, Voigt A, Hubner S, Maeda K, Boehm U, Meyerhof W, Ninomiya Y. Taste responses in mice lacking taste receptor subunit T1R1. *J Physiol* in press, 2013 Jan 21, Epub ahead of print.
2. Yoshida R, Niki M, Jyotaki M, Sanematsu K, Shigemura N, Ninomiya Y. Modulation of sweet responses of taste receptor cells. *Semin Cell Dev Biol* in press, 2012 Aug 25, Epub ahead of print.
3. Daly K, Al-Rammahi M, Moran A, Marcello M, Ninomiya Y, Shirazi-Beechey SP. Sensing of amino acids by the gut-expressed taste receptor T1R1-T1R3 stimulates CCK secretion. *Am J Physiol Gastrointest Liver Physiol* 304(3):G271-282, 2013 Feb.
4. Kawai M, Sekine-Hayakawa Y, Okiyama A, Ninomiya Y. Gustatory sensation of (L)- and (D)-amino acids in humans. *Amino Acids* 43(6):2349-2358, 2012 Dec.
5. Li YJ, Kukita A, Watanabe T, Takano T, Qu P, Sanematsu K, Ninomiya Y, Kukita T. Nordihydroguaiaretic acid inhibition of NFATc1 suppresses osteoclastogenesis and arthritis bone destruction in rats. *Lab Invest* 92(12):1777-1787, 2012 Dec.
6. Daly K, Al-Rammahi M, Arora DK, Moran AW, Proudman CJ, Ninomiya Y, Shirazi-Beechey SP. Expression of sweet receptor components in equine small intestine: relevance to intestinal glucose transport. *Am J Physiol Regul Integr Comp Physiol* 303(2):R199-208, 2012 Jul.
7. Nakamura Y, Goto TK, Tokumori K, Yoshiura T, Kobayashi K, Honda H, Ninomiya Y, Yoshiura K. The temporal change in the cortical activations due to salty and sweet tastes in humans: fMRI and time-intensity sensory evaluation. *Neuroreport* 23(6):400-404, 2012 Apr.
8. Takasaki K, Fujise O, Miura M, Hamachi T, Maeda K. *Porphyromonas gingivalis* displays a competitive advantage over *Aggregatibacter actinomycetemcomitans* in co-cultured biofilm. *J Periodontal Res* in press, 2012 Oct. Epub ahead of print.
9. Kikuchi H, Fujise O, Miura M, Tanaka A, Hisano K, Haraguchi A, Hamachi T, Maeda K. Serotype-dependent expression patterns of stabilized lipopolysaccharide aggregates in *Aggregatibacter actinomycetemcomitans* strains. *Microbiol Immunol* 56(10):680-691, 2012 Oct.
10. Kakehashi H, Kawano S, Kiyoshima T, Shimizu M, Moriyama M, Matsubara R, Kiyosue T, Goto Y, Shiratsuchi H, Nakamura S. Parotid gland myoepithelioma with remarkable cystic formation: A case report. *J Oral Maxillofac Surg Pathol Med* in press, 2012 Jul, Epub ahead of print.
11. Chikui T, Obara M, Simonetti A, Ohga M, Koga S, Kawano S, Matsuo Y, Kamitani T,

- Shiraishi T, Kitamoto E, Nakamura K, Yoshiura K. The principal of dynamic contrast enhanced MRI (DCE-MRI), the method of pharmacokinetic analysis and its application in the head and neck region. *Int J Dent* in press, 2012 Aug, Epub ahead of print.
12. Moriyama M, Tanaka A, Maehara T, Ohya Y, Shimizu M, Nakashima H, Hayashida JN, Shinozaki S, Kubo Y, Furukawa S, Kikuta T, Nakamura S. Clinical characteristics of Mikulicz's disease as an IgG4-related disease. *Clin Oral Investig* in press, 2012 Dec, Epub ahead of print.
  13. Kämmerer PW, Koch FP, Schiegnitz E, Kumar VV, Berres M, Toyoshima T, Al-Nawas B, Brieger J. Associations between single-nucleotide polymorphisms of the VEGF gene and long-term prognosis of oral squamous cell carcinoma. *J Oral Pathol Med* in press, 2012 Dec, Epub ahead of print.
  14. Kiyosue T, Kawano S, Matsubara R, Goto Y, Hirano M, Jinno T, Toyoshima T, Kitamura R, Oobu K, Nakamura S. Immunohistochemical location of the p75 neurotrophin receptor (p75NTR) in oral leukoplakia and oral squamous cell carcinoma. *Int J Clin Oncol* 18 (1):154-163, 2013 Feb.
  15. Maehara T, Moriyama M, Hayashida JN, Tanaka A, Shinozaki S, Matsumura K, Kubo Y, Nakamura S. Interleukin-21 contributes to germinal centre formation and immunoglobulin G4 production in Mikulicz's disease. *Ann Rheum Dis* 71(12):2011-2020, 2012 Dec.
  16. 森山雅文, 神田詩織, 川野真太郎, 立石康一郎, 後藤雄一, 中村誠司. 口腔扁平苔癬および掌蹠膿疱症の発症と金属アレルギーとの関連についての検討. *日本口腔外科学会雑誌* 58(12), 718-722, 2012 Dec.
  17. Shinozaki S, Hayashida JN, Moriyama M, Tanaka A, Maehara T, Ieda S, Nakamura S. Close association between oral *Candida* species and oral mucosal disorders in patients with xerostomia. *Oral Dis* 18(7):667-672, 2012 Oct.
  18. Toyoshima T, Kumamaru W, Hayashida JN, Moriyama M, Kitamura R, Tanaka H, Yamada A, Itoh K, Nakamura S. In vitro induction of specific CD8(+) T lymphocytes by tumor-associated antigenic peptides in patients with oral squamous cell carcinoma. *Cancer Lett* 322(1):86-91, 2012 Sep.
  19. 吉賀大午, 川野真太郎, 小林家吉, 鈴木華子, 後藤雄一, 中村誠司. 臼後部に発生した多形腺腫の1例. *日本口腔外科学会雑誌* 58(9), 541-545, 2012 Sep.
  20. Maehara T, Moriyama M, Hayashida JN, Tanaka A, Shinozaki S, Matsumura K, Kubo Y, Nakamura S. Selective localization of Th subsets in labial salivary glands from primary Sjögren's syndrome patients. *Clin Exp Immunol* 169(2):89-99, 2012 Aug.
  21. Kitamura R, Toyoshima T, Tanaka H, Kawano S, Oobu K, Kiyosue T, Matsubara R, Goto Y, Nakamura S. Association of cytokeratin 17 expression with differentiation in

- oral squamous cell carcinoma. *J Cancer Res Clin Oncol* 138(8):1299–1310, 2012 Aug.
22. Matsubara R, Kawano S, Chikui T, Kiyosue T, Goto Y, Hirano M, Jinno T, Nagata T, Oobu K, Abe K, Nakamura S. Clinical significance of combined assessment of the maximum standardized uptake value of F-18 FDG PET with nodal size in the diagnosis of cervical lymph node metastasis of oral squamous cell carcinoma. *Acad Radio* 19(6):708–717, 2012 Jul.
23. Moriyama M, Hayashida JN, Toyoshima T, Ohyama Y, Shinozaki S, Tanaka A, Maehara T, Nakamura S. Cytokine/chemokine profiles contribute to understanding the pathogenesis and diagnosis of primary Sjögren's syndrome. *Clin Exp Immunol* 169(1):17–26, 2012 Jul.
24. Harada S, Suzuki SO, Seki Y, Nakamura S, Iwaki T. Differential activation of proapoptotic molecules between mouse and rat models of distal motor trigeminal denervation. *J Oral Pathol Med* 41(4):354–360, 2012 Apr.
25. Furuta M, Komiya-Nonaka M, Akifusa S, Shimazaki Y, Adachi M, Kinoshita T, Kikutani T, Yamashita Y. Interrelationship of oral health status, swallowing function, nutritional status, and cognitive ability with activities of daily living in Japanese elderly people receiving home care services due to physical disabilities. *Community Dent Oral Epidemiol* in press, 2012 Aug 30, Epub ahead of print.
26. Yamane K, Ayukawa Y, Takeshita T, Furuhashi A, Yamashita Y, Koyano K. Bacterial adhesion affinities of various implant abutment materials. *Clin Oral Implants Res* in press, 2012 Aug 27, Epub ahead of print.
27. Kakudate N, Muramatsu T, Endoh M, Satomura K, Koseki T, Sato Y, Ito K, Ogasawara T, Nakamura S, Kishimoto E, Kashiwazaki H, Yamashita Y, Uchiyama K, Nishihara T, Kiyohara Y, Kakinoki Y. Factors associated with dry mouth in dependent Japanese elderly. *Gerodontology* in press, 2012 Jun 7, Epub ahead of print.
28. Kawato T, Tanaka H, Tabuchi M, Ooshima K, Nakai K, Yamashita Y, Maeno M. Continual Gram-negative bacterial challenge accelerates stroke onset in stroke-prone spontaneously hypertensive rats. *Clin Exp Hypertens* 35(1):28–34, 2013 Jan.
29. Kikutani T, Yoshida M, Enoki H, Yamashita Y, Akifusa S, Shimazaki Y, Hirano H, Tamura F. Relationship between nutrition status and dental occlusion in community-dwelling frail elderly people. *Geriatr Gerontol Int* 13(1):50–54, 2013 Jan.
30. Shimazaki Y, Kushiya M, Murakami M, Yamashita Y. Relationship between normal serum creatinine concentration and periodontal disease in Japanese middle-aged males. *J Periodontol* 84(1):94–99, 2013 Jan.

31. Fukui N, Shimazaki Y, Shinagawa T, Yamashita Y. Periodontal status and metabolic syndrome in middle-aged Japanese. *J Periodontol* 83 (11): 1363–1371, 2012 Nov.
32. Yamanaka W, Takeshita T, Shibata Y, Matsuo K, Eshima N, Yokoyama T, Yamashita Y. Compositional stability of a salivary bacterial population against supragingival microbiota shift following periodontal therapy. *PLoS One* 7 (8):e42806, 2012 Aug.
33. Suzuki N, Tanabe K, Takeshita T, Yoneda M, Iwamoto T, Oshiro S, Yamashita Y, Hirofuji T. Effects of oil drops containing *Lactobacillus salivarius* WB21 on periodontal health and oral microbiota producing volatile sulfur compounds. *J Breath Res* 6 (1):017106, 2012 Mar.

#### <総説 その他>

1. Iwata S, Yoshida R, Ninomiya Y. Taste transductions in taste receptor cells: basic tastes and moreover. *Curr Pharm Des* 2013 in press, 2013
2. Yoshida R. Hormones and bioactive substances that affect peripheral taste sensitivity. *J Oral Biosci* 54 (2):67–72, 2012 May.
3. 重村憲徳 實松敬介 ニノ宮裕三. レプチンによる甘味感受性制御. *内分泌・糖尿病・代謝内科* 34(4):371–378, 2012 Apr.
4. 吉田竜介、ニノ宮裕三. 味細胞における味の情報伝達機構. *JOHNS* 29 (1):13–15, 2013 Jan.
5. 森山雅文, 中村誠司. ミクリッツ病/IgG4関連疾患の病態形成におけるサイトカインの関与 特集 IgG4関連疾患 ~21世紀に生まれた新たな疾患概念~. *最新医学* 67: 979–989, 2012 Apr.
6. 中村誠司. 口腔ケアと喫食. *今日の治療指針* 2013年版, 印刷中
7. Takeshita T, Yamashita Y. Evaluation of salivary microbiota from an ecological perspective. *J Oral Biosci* 54 (3):128–131, 2012 Aug.
8. 山下喜久. 誤嚥性肺炎と口腔ケア. *呼吸器内科* 21(5):476–482, 2012 May.