



## 2011年度「口腔環境制御研究」報告：鹿児島大学歯学部

1. Nagata E, de Toledo A, and Oho T. Invasion of human aortic endothelial cells by oral viridans group streptococci and induction of inflammatory cytokine production. *Mol. Oral Microbiol.*, 26: 78–88, 2011.
2. de Toledo A, Kitada K, Yamaguchi T, and Oho T. Adherence of oral opportunistic bacteria to endotracheal tubes and cuffs. *J. Dent. Hlth.*, 61: 57–64, 2011.
3. Takahashi Y, Yoshida A, Nagata E, Hoshino T, Oho T, Awano S, Takehara T, and Ansai T. *Streptococcus anginosus* L-cysteine desulphhydrase gene expression is associated with abscess formation in BALB/c mice. *Mol. Oral Microbiol.*, 26: 221–227, 2011.
4. Yamaguchi T, Soutome S, and Oho T. Identification and characterization of a fibronectin-binding protein from *Granulicatella adiacens*. *Mol. Oral Microbiol.*, 26: 353–364, 2011.
5. Kitada K, and Oho T. Effect of saliva viscosity on the coaggregation between oral streptococci and *Actinomyces naeslundii*. *Gerodontol.*, in press.
6. de Toledo A, Nagata E, Yoshida Y, and Oho T. *Streptococcus oralis* coaggregation receptor polysaccharides induce inflammatory responses in human aortic endothelial cells. *Mol. Oral Microbiol.*, in press.
7. 北田 勝浩, 西山 毅, 日野 陽一, 長田 恵美, 五月女さき子, 佐藤 節子, 山口 泰平, Toledo Andréia, 於保 孝彦：地域住民の特定健康診査と歯周疾患検診における診査項目の関連性. *口腔衛生会誌*, 61(3) : 245–253, 2011.
8. 於保孝彦：動脈硬化誘発因子としての口腔レンサ球菌の役割、*日本歯科評論*、71(10) : 9–11, 2011.
9. Kawada-Matsuo M, Mazda Y, Oogai Y, Kajiya M, Kawai T, Yamada S, Miyawaki S, Oho T, Komatsuzawa H. GimS and NagB regulate amino sugar metabolism in opposing directions and affect *Streptococcus mutans* virulence. *PLoS One*. 2012;7(3):e33382.
10. 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*. 27(2):124–35, 2012.

11. Oogai Y, Matsuo M, Hashimoto M, Kato F, Sugai M, Komatsuzawa H. Expression of virulence factors by *Staphylococcus aureus* grown in serum. *Appl Environ Microbiol.* 77(22):8097–105, 2011.
12. Yen HC, Li SH, Majima HJ, Huang YH, Chen CP, Liu CC, Tu YC, Chen CW: Upregulation of antioxidant enzymes and coenzyme Q10 in a human oral cancer cell line with acquired bleomycin resistance. *Free Radical Research,* 45(6):707–716, 2011.
13. Rai K, Matsui H, Kaneko T, Nagano Y, Shimokawa O, Udo J, Hirayama A, Hyodo I, Indo HP, Majima HJ: Lansoprazole inhibits mitochondrial superoxide production and cellular lipid peroxidation induced by indomethacin in RGM1 cells. *J Clin Biochem Nutr.* 49(1):25–30, 2011.
14. Majima, HJ, Indo, HP, Suenaga, S, Matsui, H, Yen, H-C and Ozawa, T: Mitochondria as Possible Pharmaceutical Targets for the Effects of Vitamin E and its Homologues in Oxidative Stress-Related Diseases. *Curr Pharm Des,* 17(21) 2190–2195, 2011.
15. Matsui H, Nagano Y, Shimokawa O, Kaneko T, Rai K, Udo J, Hirayama A, Nakamura Y, Indo HP, Majima HJ, Hyodo I: Gastric acid induces mitochondrial superoxide production and lipid peroxidation in gastric epithelial cells. *J Gastroenterol.* 26, 2011.
16. Terada M, Kawano F, Ishioka N, Higashibata A, Majima HJ, Yamazaki T, Watanabe-Asaka T, Nihori M, Nakao R, Yamada S, Mukai C, Ohira Y: Biomedical Analysis of Rat Body Hair after Hindlimb Suspension for 14 days. *Acta Astronautica* 73, 23–29, 2012. 2011.
17. Sugiyama K, Kohjitani A, Iwase Y, Manabe Y. Syndrome of inappropriate secretion of antidiuretic hormone found by preoperative electrolyte analysis. *Anesthesia & Analgesia* (2011) 112(2):486.
18. 桜山加綱、遠矢明菜、下松孝太、齊藤陽子、真鍋庸三、糸谷 淳. 6回目のセボフルラン麻酔により発症した激症型悪性高熱症の1例. 麻酔 2011; 60(6): 703–705
19. 桜山加綱、真鍋庸三、齊藤陽子、遠矢明菜、糸谷 淳. 鹿児島大学病院における歯科の誤嚥誤飲事故の検討. 鹿歯会報—TEETHFUL、2011、95巻、674号、8-10
20. Sugiyama K, Manabe Y, Kohjitani A. The Parker Flex-Tip® tube prevents subglottic impingement on the tracheal wall during nasotracheal intubation. *Anesthesia Analgesia* in press
21. Kohjitani A, Miyata M, Iwase Y, Sugiyama K. Responses of the second derivative of the finger photoplethysmogram indices and hemodynamic parameters to

- anesthesia induction. *Hypertension Research* (2012) 35(2) :166-72.
22. 真鍋 康三. 顎矯正外科領域における自己血輸血の有用性について. 鹿歯紀要 (2012) 32:37-48
23. Iwase Y, Koh jitani A, Tohya A, Sugiyama K. Preoperative autologous blood donation and acute normovolemic hemodilution affect intraoperative blood loss during sagittal split ramus osteotomy. *Transfusion and Apheresis Science* (2012) (in press).
24. 野添悦郎、中村康典、大河内孝子、石畠清秀、新中須真奈、中村典史. (日)オトガイ神経知覚異常回避のための下顎智歯2回法抜歯の臨床的検討. 日本口腔科学会雑誌. (2011) 60(4) :317-324.
25. Miyawaki T, Koh jitani 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. *Immunopharmacology and Immunotoxicology* (2012) 34(1) :79-83.
26. Ohmori J, Maeda S, Higuchi H, Ishii M, Arai Y, Tomoyasu Y, Koh jitani A, Shimada M, Miyawaki T. Propofol increases the rate of albumin-unbound free midazolam in serum albumin solution. *Journal of Anesthesia* (2011) 25(4) :618-20.
27. Ohno S, Kuramoto E, Furuta T, Hioki H, Tanaka YR, Fujiyama F, Sonomura T, Uemura M, Sugiyama K, Kaneko T. A morphological analysis of thalamocortical axon fibers of rat posterior thalamic nuclei: A single neuron tracing study with viral vectors. *Cerebral Cortex*. 2011 (in press).