

## 2012年度「口腔環境制御研究」報告：北海道大学歯学部

### <口腔分子微生物学教室>

(総説)

1. 柴田 健一郎. 「口腔マイコプラズマ由来ジアシルリポペプチド FSL-1 の *in vivo* における抗腫瘍活性」 化学療法の領域 28: 97-104, 2012.

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1. K Ishida, T Kubo, A Saeki, CYamane, J Matsuo, S Nakamura, H Yasuhiro, M Kunichika, M Yoshidae, K Takahashi, I Hirai, Y Yamamoto, K Shibata and H Yamaguchi. *Chlamydophila pneumoniae* in human immortal Jurkat cells and primary lymphocytes uncontrolled by interferon-. Microb Infect. in press, 2012
2. M Ohtani, M Iyori, A Saeki, N Tanizume, T Into, A Hasebe, Y Totsuka and K Shibata. Involvement of suppressor of cytokine signaling-1-mediated degradation of MyD88-adaptor-like protein in the suppression of Toll-like receptor 2-mediated signaling by the murine C-type lectin SIGNR1-mediated signaling. Cell Microbiol 14(1):40-57, 2012.
3. A Saeki, T. Segawa, T. Abe, M. Sugiyama, T. Arimoto, H. Hara, A. Hasebe, M. Ohtani, N. Tanizume, M. Ohuchi, H. Kataoka, M. Kawanami, A. Yokoyama and K. Shibata. Toll-like receptor 2-mediated modulation of growth and functions of regulatory T cells by oral streptococci. Mol Oral Microbiol in press, 2013.

### <歯科矯正学教室>

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1. S Yamagata, Y Hamba, K Nakanishi, S. Abe, T. Akasaka, N. Ushijima, M. Uo, J. Iida, and F. Watari. Introduction of Rare-Earth-Element-Containing ZnO Nanoparticles into Orthodontic Adhesives. Nano Biomedicine 4(1), 11-17, 2012.
2. MK Alam, R. Basri, K. Purmal, M.A. Sikder, M. Saifuddin, J. Iida. Cephalometric Evaluation for Bangladeshi Adult by Down's Analysis. International Medical Journal, Volume 19, Number 3, 258-261, September, 2012.
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4. MKAlam, J Iida, Y. Sato, Takashi S Kajii. Postnatal treatment factors affecting craniofacial monopholgy of unilateral cleft lip and palate(UCLP) patients in a Jasane population. British Journal of Oral and Maxillofacial Surgery

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5. S Yamagata, Y Hamba, T. Akasaka, N. Ushijima, M. Uo, J. Iida, F. Watari. The effect of enhancing the hydrophobicity of OMMT on the characteristics of PMMA/OMMT nanocomposites. *Applied Surface Science*, 262: 56–59, 2012
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7. MK Alam, D Basri, K Purmal, MA Sikder, M Saifuddin, J Iida. Determining Cephalometric Norms for Bangladeshi Adults Using Bjork–Jarabak’s Analysis. *International Medical Journal* Vol. 19: 329–332, 2012.
8. MK Alam, D Basri, K Purmal, MA Sikder, M Saifuddin, J Iida. A Soft Tissue Cephalometric Analysis for Bangladeshi Adult Using Holdway’s Analysis. *International Medical Journal* 19: 333–336, 2012.
9. 関淳也, 佐藤嘉晃, 飯田順一郎. 糖尿病ラットにおける矯正力による歯槽骨改 造現象に関する研究. *北海道歯学雑誌* 32: 135–146, 2012.

### <口腔病理病態学教室>

(総説・著書)

1. 樋田京子、大賀則孝、秋山廣輔、間石奈湖：腫瘍血管内皮細胞の異常と癌の悪性化との関連、日本口腔腫瘍学会誌、24(3)、88–94、2012
2. 樋田京子：がん微小環境と腫瘍血管内皮細胞、“Drug Delivery System”、特集「基礎から拓く DDS 創薬フロンティア」日本 DDS 学会、27(1)、34–39、2012
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  7. K Akiyama, Ohga N, Hida Y, Kawamoto T, Sadamoto Y, Ishikawa S, Maishi N, Akino T, Kondoh M, Matsuda A, Inoue N, Shindoh M, Hida K: Tumor endothelial cells acquire drug resistance by MDR-1 up-regulation via VEGF signaling in tumor microenvironment. *Am J Pathol*, 180: 1283–1293, 2012.
  8. N Ohga, Ishikawa S, Maishi N, Akiyama K, Hida Y, Kawamoto T, Sadamoto Y, Osawa T, Yamamoto K, Kondoh M, Ohmura H, Shinohara N, Nonomura K, Shindoh M, Hida K: Heterogeneity of tumor endothelial cells: comparison between tumor endothelial cells isolated from high- and low-metastatic tumors. *Am J Pathol*, 180:1294–1397 2012.
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### ＜口腔機能補綴学＞

1. K Kasai, Y Takayama, A Yokoyama. Distribution of occlusal forces during occlusal adjustment of dental implant prostheses: a nonlinear finite element analysis considering the capacity for displacement of opposing teeth and implant. *Int. Oral Maxillofac Implants* 27: 329–335, 2012.
2. S Inoue, M Uo, M Sakairi, E Hirata, M H Lee, TS Bae, T Akasaka, F Watari, A Yokoyama. The effects of the coating of anodized titanium with multi-walled carbonnanotubes on bone formation. *Key Engineering Materials* 529–530: 621–624,

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3. E Hirata<sup>a</sup>, T Akasaka, M Uo, H Takita, F Wataria, A Yokoyama. Carbon nanotube-coating accelerated cell adhesion and proliferation on poly (L-lactide). *Applied Surface Science* 262: 24- 27, 2012