

The Dental Journal of Health Sciences University of Hokkaido
VOL. 31, NO. 2, DECEMBER, 2012
CONTENTS

ORIGINAL

- 1 **Expression and activation of β -catenin in developing and denervated taste buds**
Yuko SUZUKI, Hiroaki TSUNEKAWA, Nobuko OBARA, Kazuharu IRIE, and Shunichi SHIBATA (63)
- 11 **The wire method for generating experimental biofilms formed by oral *Streptococcus* and *Veillonella* species**
Izumi MASHIMA & Futoshi NAKAZAWA (73)
- 19 **Effects of underexpression of fibrillin-1 on mRNA and protein expression and protein localization of versican in human periodontal ligament fibroblasts**
Moe NAGASAKA, Naoko TORIYA, Eichi TSURUGA, Yasunori SAKAKURA, Itaru MIZOGUCHI (81)
- 27 **Reproducibility and appropriateness of the facial midsagittal plane extracted by a surface-based method –Evaluation using the CT DICOM data–**
Yoshiyuki TSUJI, Jun UECHI, Shigehiro TAKEDA, Masahiro KONNO, Hiroyuki KITAJO,
Itaru MIZOGUCHI and Takanori SHIBATA (89)

REVIEW

- 41 **A Description of Dental Health in Indonesia**
Herastuti SULISTYANI and Futoshi NAKAZAWA (103)

ABSTRACT OF DOCTORAL DISSERTATION

- 47 **Effect of stretching stimulus on fibrillin-1 and versican expression in human periodontal ligament fibroblasts**
Moe NAGASAKA (109)
- 49 **Histological observation of the cell death of cementum-related cell and the root resorption of the during experimental tooth movement**
Fumihiro MATSUZAWA (111)
- 52 **Effects of FGF-2 and BMP-2 on the tissue regeneration using PDL derived cells**
Tomohide UEYONAHARA (114)
- 55 **Chemical modification of titanium surface**
Takashi KADO (117)
- 58 **E-selectin mediates *Porphyromonas gingivalis* adherence to human endothelial cells**
Toshinori KOMATSU (120)
- 61 **Effect of differentiation enhances barrier function in human keratinocyte**
Yuji MURAI (123)

DENTAL INFORMATION

- 64 **Recent topics** (126)